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**REMEDIAL ASSESSMENT AND SOIL EXCAVATION REPORT
FORMER GENERAL MOTORS CORPORATION
ALLISON GAS TURBINE DIVISION, PLANT 10
700 NORTH OLIN AVENUE
INDIANAPOLIS, INDIANA
IDEM VRP #6991004
KERAMIDA PROJECT NO. 2829E**

Submitted to:

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

Erin Brittain, Project Manager
Voluntary Remediation Program
Office of Land Quality
100 North Senate Avenue
Indianapolis, Indiana 46204

Submitted for:

GENUINE PARTS COMPANY

Mr. Bob Lewis
Environmental, Safety and DOT Compliance Manager
2999 Circle 75 Parkway
Atlanta, Georgia 30339

Submitted by:

KERAMIDA ENVIRONMENTAL, INC.

401 North College Avenue
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July 23, 2007



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EXECUTIVE SUMMARY

KERAMIDA Environmental, Inc. (KERAMIDA) was contracted by the Genuine Parts Company (Genuine Parts) to perform a Remedial Assessment (RA) and to implement a remedial action based on the conclusions identified during this RA at the former General Motors Corporation, Allison Gas Turbine Division (AGT) Plant 10 in Indianapolis, Indiana (Site). The RA was conducted during the period of July 22, 2004 through June 28, 2006. The purpose of the RA was to determine if residual source materials were affecting volatile organic compound (VOC) contamination reduction in the area of monitoring well MW-153 (western source area) and MW-10-1R (eastern source area). Based on RA activities, soil excavation in the western source area was conducted during the period of August 21 through October 16, 2006 to remove residual trichloroethylene (TCE)-impacted soils.

A combined air sparging / soil vapor extraction Remediation System is used at the Site to facilitate remediation as documented in the Remediation Work Plan (RWP). However, dissolved TCE concentrations in groundwater at MW-153 and MW-10-1R and dissolved cis-1,2-dichloroethylene (cis-1,2-DCE) concentrations in groundwater at MW-153 were observed to fluctuate above and below their respective Indiana Department of Environmental Management (IDEM) Voluntary Remediation Program (VRP) Tier II Non-Residential Cleanup Goals (remedial objectives).

REMEDIAL ASSESSMENT

KERAMIDA completed exploratory trenching and advanced soil borings in the western source area in areas not previously excavated and around the VOC and Lead soil "hot spot." KERAMIDA also advanced soil borings in the eastern source area in up-gradient locations proximal to MW-10-1R. In addition, KERAMIDA conducted quarterly sampling events of the monitoring well network during and after RA activities to monitor the western and eastern source areas.

Western Source Area

No new areas of residual source materials were found, yet VOC impacts above remedial objectives were found in soils and groundwater. Impacts were divided into three general areas located between the Northwestern and Southwestern Remediation Systems and within the Northwestern Remediation System. Based on RA and quarterly groundwater sampling results

including lithology, options to attain remedial objectives were evaluated and the excavation of impacted soils with off-Site disposal was selected along with the continued operation of the Southwestern Remediation System.

Eastern Source Area

No new areas of residual source materials were found. TCE was detected in soil in one push probe location at a concentration well below its remedial objective. All but one of the groundwater samples collected from the push probe borings contained contaminant concentrations below their respective remedial objective. One sample, near MW-10-1R, contained a TCE concentration above its remedial objective; however, a sample collected from MW-10-1R had a TCE concentration well below its remedial objective.

Based on the results from quarterly groundwater monitoring conducted following RA activities, the Eastern Remediation System was shut down on January 30, 2006, based on four consecutive quarters of groundwater VOC concentrations below remedial objectives. Groundwater VOC concentrations, for the fifth quarter since the system was shut down, have remained below their remedial objectives.

SOIL EXCAVATION ACTIVITIES

A total of 3,670 tons of TCE-impacted hazardous soil and 4,814 tons of TCE-impacted non-hazardous soil were removed and disposed of off-Site at a Subtitle "C" Landfill. The TCE-impacted soil occurrence identified in the western source area has been remediated to concentrations below remedial objectives. However, one VOC constituent, vinyl chloride, was detected at a concentration above its remedial objective in one small area. Vinyl chloride was detected from soil collected from the sidewall of the excavation at the Holt Road entrance. Due to the close proximity of the right-of-way for Holt Road further excavation was not feasible. No further remediation of soil associated with the western source area appears warranted.

Quarterly groundwater sampling events conducted in the western source area following the removal and off-Site disposal of TCE-impacted soils have indicated that groundwater VOC concentrations are below remedial objectives.

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1. Soil Boring Logs and Well Construction Diagrams
2. Investigative Soil and Groundwater Analytical Reports
3. Waste Characterization Soil Analytical Report
4. Photographic Log
5. Well Abandonment Records
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7. Confirmatory Soil Analytical Report

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1.0 INTRODUCTION

KERAMIDA Environmental, Inc. (KERAMIDA) was contracted by the Genuine Parts Company (Genuine Parts) to perform a Remedial Assessment (RA) and to implement a remedial action based on the conclusions identified during this RA at the former General Motors Corporation, Allison Gas Turbine Division (AGT) Plant 10 in Indianapolis, Indiana (Site). The RA was conducted during the period of July 22, 2004 through June 28, 2006. The purpose of the RA was to determine if residual source materials are affecting volatile organic compound (VOC) contamination reduction in the area of monitoring well MW-153 (western source area) and MW-10-1R (eastern source area). Based on RA activities, soil excavation in the western source area was conducted during the period of August 21 through October 16, 2006 to remove residual trichloroethylene (TCE)-impacted soils in the western source area. Regulatory closure of the Site is being administered through the Indiana Department of Environmental Management (IDEM) Voluntary Remediation Program (VRP). The following report documents field activities and provides conclusions based on RA and soil remedial activities results.

2.0 SITE BACKGROUND

The subject property is located at 700 North Olin Avenue in Marion County, Indianapolis, Indiana (see Figure 1). The property is the former Site of the General Motors Corporation, AGT Plant 10. Between 1956 and 1973, BHT Corporation (BHT) operated the facility for carburetor and brake re-manufacturing. General Motors Corporation purchased the property from BHT in 1973 and used the facility for warehousing obsolete machines, tooling, and fixtures until the mid-1980s, at which time the property became part of the AGT Division. BHT became a part of Genuine Parts, through acquisition and merger, subsequent to the sale of the property to General Motors Corporation. AGT continued to use the facility for warehousing until December 1993 when the property was sold to the Allison Engine Company (AEC). AEC sold the facility to

Associated Properties, Inc. in 1998. Associated Properties, Inc. sold the facility to American Art Clay Company, Inc. in 2002 (current property owner).

A combined air sparging / soil vapor extraction Remediation System is utilized at the Site to facilitate remediation as documented in Section 8.2 of the Remediation Work Plan (RWP) dated August 16, 2004. However, dissolved TCE concentrations in groundwater at MW-153 and MW-10-1R and dissolved cis-1,2-dichloroethylene (cis-1,2-DCE) concentrations in groundwater at MW-153 were observed to fluctuate above and below their respective IDEM VRP Tier II Non-Residential Cleanup Goals (remedial objectives). A Site map showing Site features near the RA areas is presented as Figure 2.

3.0 REMEDIAL ASSESSMENT

The purpose of the RA is to determine if residual source materials are affecting contamination reduction in the area of MW-153 (western source area) and MW-10-1R (eastern source area). KERAMIDA completed exploratory trenching and advanced soil borings using a Bobcat® mounted Geoprobe® percussive rig in the western source area in areas not previously excavated and around the VOC and Lead soil "hot spot" (See section 8.3 of the RWP). KERAMIDA also advanced soil borings in the eastern source area in up-gradient locations proximal to MW-10-1R. In addition, KERAMIDA has conducted quarterly sampling events of the monitoring well network during and after RA activities to monitor the western and eastern source areas.

3.1 FIELD METHODS

Field methods used during the quarterly groundwater sampling of the monitoring well network are documented quarterly to the IDEM in Remediation System Evaluation Reports.

3.1.1 Exploratory Trenching - Western source Area

Prior to the commencement of field activities, KERAMIDA contacted Indiana Underground Plant Protection Service (IUPPS) to mark all underground public utilities at the Site. KERAMIDA performed test-trenching activities at the Site on July 22 and 23, 2004. The test trenches were excavated using a track-mounted mini-excavator. All work was supervised and completed by KERAMIDA personnel. Mr. William Wierenga, the IDEM VRP Project Manager for this facility, during this timeframe, and Mr. Bob Lewis with Genuine Parts were also present for part of the day on July 22, 2004. Exploratory trenching locations are depicted on Figure 3.

The exploratory trenches were excavated to a maximum depth of six feet with an average depth of 3.5 to 4.5 feet, which was approximately 2 to 3 feet into native material. Excavated soils were placed adjacent to their respective trenches. These soils along with trench walls and bottoms were inspected for residual source materials and were field screened using a photoionization detector (PID). At the end of each day, following inspections and soil screening, trenches were backfilled and compacted using the mini-excavator.

3.1.2 Geopробing - Western source Area

Prior to the commencement of field activities, KERAMIDA contacted Indiana Underground Plant Protection Service (IUPPS) to mark all underground public utilities at the Site. KERAMIDA performed probing activities at the Site on August 10 and 11, 2004 (borings KB-52 through KB-59), September 14, 2004 (KB-60 through KB-65), October 3, 2005 (borings KB-71 and KB-72), and June 28, 2006 (borings KB-73 through KB-78).

Probing activities at borings KB-55/55a, KB-57/57a, KB-71, and KB-72 were conducted to evaluate remedial progress within the VOC and Lead soil "hot spot" in accordance with Section 8.4. of the RWP. Soils remedial progress within the "hot spot" is documented in Section 6.1.3 of both the July through September (2004 & 2005) Remediation System Evaluation Reports dated November 19, 2004 and December 6, 2005, respectively. Probing was completed using a Bobcat[®] mounted Geoprobe[®] percussive rig. All work was supervised and completed by KERAMIDA personnel. The locations of borings KB-52 through KB-65 and borings KB-71 through 78 are depicted on Figures 4 through 6.

All borings were advanced to a maximum depth of 16 feet below ground surface (bgs). Continuous soil cores were extracted at 4-foot intervals from each boring to obtain soil samples for soil texture identification, field screening, and possible laboratory analysis. Field screening activities included screening with a PID and an olfactory inspection. Boring logs are provided in Attachment 1.

Soil samples were collected from the borings at various depths based on field screening data. All soil samples were submitted to Heritage Environmental Services, LLC Commercial Laboratory Operations (Heritage-CLO) of Indianapolis, Indiana, for VOC analysis using U.S. Environmental Protection Agency (USEPA) SW-846 Method 8260B.

Groundwater was encountered during the sampling events in sand or a mixture of sand and gravel. Groundwater was encountered at an approximate depth of 15 feet bgs in borings KB-52 through KB-59, at an approximate depth of 12 feet bgs in borings KB-60 through KB-65 and KB-77, at an approximate depth of 11 feet bgs in boring KB-78, and at an approximate depth of 10.5 feet bgs in borings KB-71 through KB-76. Groundwater samples were collected using a peristaltic pump through temporary well points equipped with a 4-foot screens (KB-52 through KB-55) and 5-foot screens (KB-60 through KB-65) all set across the zone where groundwater was first encountered in each boring. Groundwater samples were sent to Heritage-CLO for VOC analysis using USEPA SW-846 Method 8260B.

3.1.3 Geopробing - Eastern source Area

Prior to the commencement of field activities, KERAMIDA contacted IUPPS to mark all underground public utilities at the Site. KERAMIDA performed probing activities at the Site on April 27 and 28, 2005. Probing was completed using a Bobcat[®] mounted Geoprobe[®] percussive rig. All work was supervised and completed by KERAMIDA personnel. Mr. William Wieringa with the IDEM and Mr. Bob Lewis with Genuine Parts were also present for part of the day on April 27, 2005. The locations of borings KB-66 through KB-70 are depicted on Figure 7.

Borings were advanced to a maximum depth ranging from 16 to 36 feet bgs. Continuous soil cores were extracted at 4-foot intervals from each boring to obtain soil samples for soil texture identification, field screening, and possible laboratory analysis. Field screening activities included screening with a PID and an olfactory inspection. Boring logs are provided in Attachment 1.

KERAMIDA collected one soil sample from boring KB-70 for laboratory analysis because of apparent staining. This soil sample was submitted to Heritage-CLO for VOC analysis using USEPA SW-846 Method 8260B.

Groundwater was encountered in sand or a mixture of sand and gravel at approximate depths ranging from 10-12 feet bgs. Groundwater samples were collected from KB-66 through KB-70 using a peristaltic pump through temporary well points equipped with 4-foot screens all set across the zone where groundwater was first encountered in each boring. Additional groundwater samples from each boring, in 4-foot intervals as boring depth increased, were also collected for possible laboratory analysis. These groundwater samples were collected to

vertically identify groundwater impacts. Groundwater samples were sent to Heritage-CLO for VOC analysis using USEPA SW-846 Method 8260B. A groundwater sample was collected on March 18, 2005 from observation well OB-1. OB-1 is north of MW-10-IR and was collected to provide additional data about Site conditions.

3.2 RESULTS

Analytical results from the quarterly groundwater sampling of the monitoring well network are documented quarterly to the IDEM in Remediation System Evaluation Reports. Select analytical results from quarterly groundwater sampling events are presented in this report.

3.2.1 Western Source Area

Exploratory Trenching

During exploratory trenching activities, fill material consisting of soil and occasional automotive debris parts mostly consisting of round flexible discs were encountered near the surface. The locations of the test trenches are depicted on Figure 3. The thickness of the fill ranged from nil to approximately 4 feet. Below the fill was an intermittent silt loam layer underlain by sand and gravel deposits. No residual source materials were found during the exploratory trenching. Screening using the PID did not indicate any detectable vapors from the trenches, except for one detection of note in the trench running north-south near SVE-31. The northern end of this trench is located in the previously identified VOC and Lead soil "hot spot".

Lithology

In general, the Site consisted of loamy materials underlain by sands and gravelly sands at approximately 8 to 14 feet bgs. Some borings had small sand and clay lenses present. Fill was encountered at the top of some of the borings and ranged from nil to 4-feet in thickness. Groundwater was encountered from approximately 10.5 to 15 feet below ground surface in native sands. The sands were found generally continuous with an occasional silt lens. The sand was overlain by up to nine feet of loamy material. A detailed description of the encountered lithology is available on the boring logs presented in Attachment 1.

Analytical Results

Soil samples collected from the western source area were analyzed for VOCs. All soil analytical results are based on dry weight. Several of the borings had multiple depth intervals submitted for laboratory analysis. The following soil samples exceeded the remedial objective for TCE in

the western source area: KB-62 (4-6'), KB-62 (8-10'), KB-63 (8-10'), KB-63 (10-12'), KB-64 (8-10'), KB-64 (10-10.6'), KB-71 (8-10'), KB-72 (6-7'), KB-77 (6-8'), and KB-77 (10-12'). The sample results are presented in Table 1 and depicted on Figures 4 and 5. Copies of the laboratory analytical reports with associated chain-of-custody documentation are included in Attachment 2.

Groundwater samples collected from borings KB-52 through KB-55 and KB-60 through KB-65 were analyzed for VOCs. Several chlorinated hydrocarbons were detected in the groundwater at each of these locations. The chemicals that exceeded the remedial objectives were 1,1-dichloromethane (1,1-DCE) (KB-62), cis-1,2-DCE (KB-53, KB-54, KB-61, KB-62, and KB-65), TCE (KB-52, KB-54, and KB-60 through KB-65), and vinyl chloride (KB-53 through KB-55, KB-62, KB-63, and KB-65). The sample results are presented in Table 2 and depicted on Figure 6. Copies of laboratory analytical reports with associated chain-of-custody documentation are included in Attachment 2. Table 2 also contains historical analytical results from on-Site monitoring wells located in the vicinity of the area investigated. Figure 6 also depicts various historical analytical results from these same on-Site monitoring wells.

3.2.2 Eastern Source Area

Lithology

In general, the Site consisted of sandy clays, sandy clay loams, or clay loams for approximately the first 5-feet of depth. The underlying materials were continuous sands with occasional silt lenses. Groundwater was encountered at approximately 10 to 12 feet bgs in native sands. A detailed description of the encountered lithology is available on the boring logs presented in Attachment 1.

Analytical Results

One soil sample was collected from KB-70 at a depth of 9.75 to 10 feet bgs and was analyzed for VOCs. Analytical results are based on dry weight. No analytes were detected above their respective remedial objectives. The sample results are presented in Table 1 and a copy of the laboratory analytical report with associated chain-of-custody documentation is included in Attachment 2.

Groundwater samples were collected from borings KB-66 through KB-70 and observation point OB-1 in the area up-gradient from MW-10-1R. These samples were submitted for VOC

analysis. All samples contained detectable concentrations of TCE. Sample KB-67W (12-16) was the only sample to contain a TCE concentration above the remedial objective. The sample results are presented in Table 2 and depicted on Figure 7. A copy of the complete laboratory report along with chain-of-custody documentation is included as Attachment 3. Table 2 also contains historical analytical results from MW-10-1R and the sample results from March 2005 are also depicted on Figure 7.

3.3 CONCLUSIONS

Western Source Area

The exploratory trenching and push probe assessments in the western source area did not identify any new areas of residual source materials. However, TCE was detected in soil samples collected from six push probe locations above its remedial objective. Two of the locations, KB-63 and KB-64 are relatively near one another in the area of the Northwest Remediation System. Borings KB-62 and KB-77 are south of the MW-148 in between the Northwestern and Southwestern Remediation Systems. Data from locations intermediate to these two areas indicate that occurrence of TCE in soil above the remedial objective was not extensive. Borings KB-71 and KB-72 are located within the VOC and Lead soil "hot spot."

TCE and/or its daughter products were detected in the push probe groundwater samples at concentrations greater than their respective remedial objectives. Three of those borings, upgradient KB-63 and KB-64 and downgradient KB-65 are located around monitoring well MW-148. Based on groundwater results before and after the RA, TCE and its daughter products were at concentrations below their respective remedial objectives in MW-148. However, starting in September 2005 and through December 2006, vinyl chloride concentrations in groundwater at MW-148/R were above the remedial objective. Currently, VOC concentrations are below their respective remedial objectives in MW-148R.

Groundwater TCE concentrations in MW-153 during the RA were above its remedial objective as were TCE groundwater concentrations in KB-52 located near MW-153. Groundwater monitoring at MW-153 following soil assessment activities in December 2004 and March 2005 indicated concentrations of TCE and cis-1,2-DCE below their respective remedial objectives. TCE concentrations in groundwater at MW-153 rose above the remedial objective in June 2005; however, TCE concentrations have been below remedial objectives during the past seven quarterly groundwater sampling events.

No new areas of residual source materials were found, yet VOC impacts above remedial objectives were found in soils and groundwater. Impacts were divided into three general areas: 1) Area 1 around borings KB-62 and KH-77; 2) Area 2 around borings KB-71 and KB-72 (VOC and Lead soil "hot spot"); and 3) Area 3 around borings KB-63 and KB-64. These areas are depicted on Figure 8. Based on RA and quarterly groundwater sampling results including lithology, options to attain remedial objectives were evaluated and the excavation of impacted soils with off-Site disposal was selected along with the continued operation of the Southwestern Remediation System.

Eastern Source Area

The push probe assessment in the eastern source area did not identify any new areas of residual source materials. TCE was detected in soil in one push probe location at a concentration well below its remedial objective. All but one of the groundwater samples collected from the push probe borings contained contaminant concentrations below their respective remedial objective. Sample KB-67W contained a TCE concentration of 400 ug/L versus the 260 ug/L remedial objective. A sample collected from MW-10-1R around the same time period (March 2005) contained an average TCE concentration of 130 ug/L, well below its remedial objective.

Based on the results from quarterly groundwater monitoring conducted following RA activities, the Eastern Remediation System was shut down on January 30, 2006, based on four consecutive quarters of groundwater VOC concentrations below remedial objectives. As shown in Table 2, groundwater VOC concentrations, for the fifth quarter since the system was shut down, remained below remedial objectives.

4.0 SOIL EXCAVATION ACTIVITIES

Upon review of the data from the RA and quarterly groundwater monitoring events, discussed in Section 3.3 of this report, the appropriate remedial option selected to attain remedial objectives in the western source area was to remove residual TCE-impacted soils. This section describes soil removal, confirmation sampling and results associated with TCE-impacted soil excavation activities. KERAMIDA has also conducted quarterly sampling events of the monitoring well network following excavation activities to monitor the western source area.

4.1 FIELD METHODS

Prior to initiation of work, KERAMIDA contacted IUPPS to mark all underground public utilities at the Site. KERAMIDA held daily Site safety meetings, including the review of the Site-specific health and safety plan, prior to the commencement of and during field activities.

Field methods used during the quarterly groundwater sampling of the monitoring well network are documented quarterly in the IDHM in Remediation System Evaluation Reports.

4.1.1 Soil Waste Characterization Sampling

KERAMIDA performed probing activities at the Site on June 28, 2006 to collect waste characterization samples, WCS-1 through WCS-3, to profile TCE-impacted soils in the western source area for off-Site disposal. Probing was completed using a Bobcat® mounted Geoprobe® percussive rig. All work was supervised and completed by KERAMIDA personnel. The locations of the samples are depicted on Figure 4.

Based on investigative results discussed in Section 3.0 of this report, the western source area was divided into three separate excavation areas, Area 1, Area 2 and Area 3 as depicted on Figure 8. Therefore, one soil boring was advanced within each area to a maximum depth of 16 feet bgs. Continuous soil cores were extracted at 4-foot intervals from each boring to obtain soil samples for laboratory analysis. Soil samples across the impacted interval within each boring were composited to form a waste characterization sample. Boring locations and the soil intervals sampled were determined using previous investigation results. All soil waste characterization samples were submitted to Heritage-CLO for Paint Filter by USEPA SW-846 Method 9095, Ignitability by USEPA SW-846 Method 1010, Corrosivity by USEPA SW-846 Method 1110, Reactive Cyanide by USEPA SW-846 Method 335.2, Reactive Sulfide by USEPA SW-846 Method 376.1, TCLP VOCs by USEPA SW-846 Method 1311, TCLP Polynuclear Aromatic Hydrocarbons (PNAs) by USEPA SW-846 Method 1311, and TCLP SW-846 Cadmium, Chromium, and Lead by USEPA Method 1311 analysis.

Results from the three waste characterization samples indicated that TCE-impacted soils in the area of the VOC and Lead soil "hot spot" required disposal as a non-hazardous waste and the TCE-impacted soils in the remaining two areas required disposal as hazardous wastes. These results were used to profile the TCE-impacted soils for disposal at the Heritage Environmental

Services, LLC Subtitle "C" landfill (Heritage) facility located in Roachdale, Indiana. A copy of the laboratory analytical report with associated chain-of-custody documentation is provided in Attachment 3.

As discussed in Section 4.1.2 below, the initial limits of excavation Area 1, Area 2 and Area 3 expanded, therefore, several test trenches, TT-3, TT-6, TT-7, IT-8 and TT-9 were excavated for the collection of waste characterization samples to aid in determining whether TCE-impacted soils in the expanded areas required disposal as hazardous or non-hazardous waste. Soil waste characterization samples were submitted to ENVision Laboratories, Inc. located in Indianapolis, Indiana for Paint Filter by USEPA SW-846 Method 9009S, Ignitability by USEPA SW-846 Method 1010, Corrosivity by USEPA SW-846 Method 1110, TCLP VOCs by USEPA SW-846 Method 1311 and TCLP SW-846 Cadmium, Chromium, and Lead by USEPA Method 1311 analysis. Copies of laboratory analytical reports with associated chain-of-custody documentation are provided in Attachment 3.

Results were submitted and discussed with Heritage prior to these soils in these areas being excavated. Figures 8 and 9 depict the final excavation limits and areas within those limits that were disposed of as hazardous and non-hazardous wastes.

4.1.2 Soil Removal

KERAMIDA supervised the abandonment of wells, stockpiling of clean overburden materials, the removal and disposal of TCE-impacted soil, backfilling, compaction and resurfacing activities and collected confirmatory soil samples during the period from August 21 through October 16, 2006. Earth Exploration, Inc. (Earth Exploration), of Indianapolis, Indiana performed well abandonment activities and Hoosier Equipment Service, Inc. (Hoosier) of Indianapolis, Indiana and its subcontractors conducted soil stockpiling, excavation, backfilling, compaction and resurfacing activities, all under the direct supervision of Mr. Steve Cobb, Project Manager, and Mr. Robert Fedorchak, Senior Engineer/Project Manager with KERAMIDA. All excavated TCE-impacted soils were disposed of at Heritage using trucks supplied by Heritage. A photographic log of the soil removal activities is provided in Attachment 4.

Prior to activities in a proposed excavation location, any well or wells located within the proposed excavation area were abandoned. A total of three, two-inch diameter monitoring wells, MW-132, MW-147A, and MW-148 and seven two-inch SVE wells, SVE-1 through SVE-7 were

abandoned by a licensed well driller in accordance with Indiana Department of Natural Resources (IDNR) requirements. The metal protective covers and top portion of well riser were removed from the ground and disposed. The well casing was then filled with bentonite to near the ground surface. Well abandonment forms for each well were subsequently submitted to the IDNR. Well locations are depicted on Figures 8 and 9. Copies of abandonment records are provided in Attachment 5.

Following well abandonment activities and prior to the excavation of TCE-impacted soils in a particular area, clean overburden materials were removed and stockpiled. All excavated materials were stockpiled on and covered by visqueen and reused as backfill as detailed below. Two to eight feet of clean overburden materials were removed and stockpiled. The depth of the overburden material removed was based on previous sampling in areas that were previously excavated and backfilled in 2000 to remove auto parts and drums and results from soil sampling detailed in Section 3.0 of this report.

Following the excavation and stockpiling of clean overburden materials in a particular area, TCE-impacted soils were excavated and direct loaded in landfill provided trucks. Excavation activities were directed based on real-time analytical results provided by an on-Site mobile laboratory from soil samples collected during soil excavation as discussed below. Sierra Mobile Labs, Inc. was used as the on-Site laboratory. Confirmatory soil samples were then collected based on these results and submitted to Heritage-CLO.

During excavation activities, KERAMIDA advanced an additional 13 borings, KB-A through KB-M, using a Bobcat® mounted Geoprobe® percussive rig. Boring logs are provided in Attachment 1. Soils samples were also collected from excavation sidewalls and test trenches (TT-1 through TT-9). These samples were all collected to aid in determining excavation limits. All soil samples were field screened using a PID and analyzed by the on-Site mobile laboratory. Based on field screening and on-Site mobile laboratory analytical results, the initial limits of excavation Area 1, Area 2 and Area 3 expanded.

A total of 3,670 tons of TCE-impacted hazardous soil and 4,814 tons of TCE-impacted non-hazardous soil were disposed of from an excavation measuring approximately 80 feet by 195 feet with an approximate depth ranging from 12 to 14 feet. The excavation areas are depicted on Figures 8 and 9. Soil disposal documentation is provided in Attachment 6.

During removal activities, an underground concrete tile pipe was discovered within the southeastern portion of the excavation. The piping appeared to be components of a former drainage or sewer system. No visible staining or contents were associated with the piping. In addition, miscellaneous parts and a drum were found along the western portions of the excavation near the right-of-way of Holt Road. All these materials were removed and disposed of with the TCE-impacted soils.

Following soil removal and confirmatory sampling activities, the excavation was brought to grade by backfilling with the stockpiles of clean overburden materials and clean fill brought in from off-Site. Site surface was restored with topsoil/grass and asphalt as depicted on Figures 8 and 9.

4.1.3 Confirmatory Soil Sampling

KERAMIDA collected confirmatory soil samples from the excavation throughout the soil removal process. Confirmatory soil samples were collected directly from the excavator bucket, by KERAMIDA personnel, by hand using disposable nitrile gloves. New gloves were used for each individual sample collected. Confirmation soil sampling procedures were completed in general accordance with the IDEM RISC User's Guide, final dated February 15, 2001. All soil samples were submitted to Heritage-CLO for VOC analysis using USEPA SW-846 Method 8260B.

Final confirmatory soil sample locations, depths, rationale, and analysis are summarized in Table 3. Soil samples were submitted through proper chain-of-custody procedures to Heritage-CLO for analysis. Analytical results are summarized on Table 4 and depicted on Figure 9. Copies of laboratory analytical reports with associated chain-of-custody documentation are provided as Attachment 7.

A total of 29 confirmatory soil samples were collected from the sidewalls of the excavation area. No bottom samples were collected from the excavation since the bottom limits of the excavation extended into the groundwater, which was located at a range of 10 to 12 feet bgs. In addition, duplicate samples and matrix spike and matrix spike duplicates were collected for quality assurance and quality control.



4.1.4 Monitoring Well Installation Methods

Earth Exploration installed three monitoring wells, MW-132R, MW-147AR, and MW-148R, on October 10 and 11, 2006 to replace the monitoring wells previous abandoned prior to soil excavation activities. The monitoring well locations are depicted on Figures 8 and 9.

Using a 4-1/4 inch hollow-stem auger, a two-inch diameter PVC well casing was installed in the boring. The monitoring wells were blind drilled and screened to the same depths as the previous monitoring wells, MW-132, MW-147A, and MW-148. The casing for MW-132R was screened from 9.5-19.5 feet bgs, MW-147AR was screened from 20-30 feet bgs, and MW-148R was screened from 10.5 to 25.5 bgs. The screen for each well was a machine cut 10-slot screen. Washed #4 quartz sand was placed around the well casing from two foot above the top of the screen to the bottom of the boring. A bentonite chip seal was placed on top of the sand to approximately one-foot below ground surface. Finally, a flush-mounted protective cover (8-inch I.D. manhole) was cemented in place. The well construction diagrams are included in Attachment 1. The wells were developed with a pump, after installation. Approximately 20 gallons of groundwater was purged from MW-132R, approximately 35 gallons of groundwater was purged from MW-147AR, and approximately 30 gallons was purged from MW-148R for monitoring well development. All soil cuttings were containerized in DOT approved 55-gallon drums and disposed of at Waste Management, Inc.'s Twin Bridges RDF located in Danville, Indiana. Soil cutting disposal documentation is provided in Attachment 6. All development water was containerized in an on-Site storage tank for disposal as documented in Section 6.1.4 of the Remediation System Evaluation Reports dated December 20, 2006 and February 19, 2007.

After MW-132R, MW-147AR, and MW-148R were installed, the top-of-casing for each monitoring well was surveyed and tied into the existing Site's monitoring well network. Groundwater level measurements were made from the top of each well casing in order to determine local groundwater flow.



4.2 RESULTS

Analytical results from the quarterly groundwater sampling of the monitoring well network are documented quarterly to the IDEM in Remediation System Evaluation Reports. Select analytical results from quarterly groundwater sampling events are presented in this report.

4.2.1 Confirmatory Soil Sampling

The VOC analytical results for the confirmation soil samples are summarized in Table 4 and are depicted in Figure 9. All soil analytical results are based on dry weight. The IDHM VRP Tier II Cleanup Goals for VOCs are provided at the bottom of the table for comparison with detected compounds. Laboratory analytical reports are provided in Attachment 7.

As shown in Table 4, VOC constituents were detected in 24 of the 29 confirmatory soil samples collected from the soil excavation. The chemical of concern during soil excavation activities, TCE, was detected in 23 of the 29 confirmatory soil samples at concentrations below its remedial objective. Vinyl chloride was detected in one confirmatory soil sample (A3-WW-5) at a concentration exceeding its remedial objective. The remaining VOC constituents detected in the confirmatory soil samples were detected at concentrations below their remedial objectives.

4.2.2 Quarterly Groundwater Sampling

Three quarterly groundwater sampling events have been conducted in the western source area following the removal and off-Site disposal of TCE-impacted soils. Groundwater VOC concentrations continue to be below the remedial objectives in MW-132R, MW-133R, MW-145, MW-147AR, MW-153 and MW-302. Vinyl chloride concentrations in groundwater at MW-148R were above its remedial objective in the first 2 events; however; the third event conducted in March 2007 indicated that the vinyl chloride concentration is below its remedial objective.

4.3 CONCLUSIONS

A total of 3,670 tons of TCE-impacted hazardous soil and 4,814 tons of TCE-impacted non-hazardous soil were removed and disposed of off-Site at a Subtitle "C" Landfill. The TCE-impacted soil occurrence identified in the western source area has been remediated to concentrations below remedial objectives. However, one VOC constituent, vinyl chloride, was detected at a concentration above its remedial objective in one small area. Vinyl chloride was detected from soil collected from the sidewall of the excavation at the Holt Road entrance. Due

to the close proximity of the right-of-way for Holt Road further excavation was not feasible. No further remediation of soil associated with the western source area appears warranted.

Quarterly groundwater sampling events conducted in the western source area following the removal and off-Site disposal of TCB-impacted soils have indicated that groundwater VOC concentrations are below remedial objectives.

5.0 USE OF REPORT

This report has been prepared for the exclusive use of the Client and persons or organizations to whom the Client wishes to make this report available. This report and the findings, conclusions and recommendations contained herein shall not, in whole or in part, be disseminated or conveyed to any other party, or used by or relied upon by any other party, without the prior written consent of KERAMIDA.

6.0 LIMITATIONS

This report was prepared in accordance with KERAMIDA contractual guidelines set forth for remediation services. KERAMIDA's professional opinions contained herein are based upon the operation, maintenance, and monitoring/sampling conducted by KERAMIDA personnel during the operation of the remediation system. No other warranty is given or implied by this report.

Table 3
Final Confirmatory Sampling and Analysis Summary
Former General Motors Corporation
Allison Gas Turbine Division, Plant 10
Indianapolis, Indiana
IDEM VRF # 6931004
KERAMIDA Project No. 2829E

Sample Identification	Sample Location	Method	Sample Depth (ft)	Sampling Rationale	Lab Testing
KS-1	South Sidewall of Area 1 (top sample)	Excavator Bucket	5	Confirmation Sample - Sidewall	VOC
KS-2	South Sidewall of Area 1 (bottom sample)	Excavator Bucket	10	Confirmation Sample - Sidewall	VOC
KS-3	West Sidewall of Area 1 (top sample)	Excavator Bucket	5	Confirmation Sample - Sidewall	VOC
KS-4	West Sidewall of Area 1 (bottom sample)	Excavator Bucket	10	Confirmation Sample - Sidewall	VOC
KS-5	Southern Portion - East Sidewall of Area 1 (top sample)	Excavator Bucket	5	Confirmation Sample - Sidewall	VOC
KS-6	Southern Portion - East Sidewall of Area 1 (bottom sample)	Excavator Bucket	10	Confirmation Sample - Sidewall	VOC
KS-10	Northern Portion - East Sidewall of Area 1 (top sample)	Excavator Bucket	5	Confirmation Sample - Sidewall	VOC
KS-11	Northern Portion - East Sidewall of Area 1 (bottom sample)	Excavator Bucket	10	Confirmation Sample - Sidewall	VOC
A1/A3 East Wall-1	East Sidewall Between Area 1 & Area 3 (top sample)	Excavator Bucket	5	Confirmation Sample - Sidewall	VOC
A1/A3 East Wall-2	East Sidewall Between Area 1 & Area 3 (bottom sample)	Excavator Bucket	10	Confirmation Sample - Sidewall	VOC
A3-WW-1 (S)	Southern Portion-West sidewall of Area 3 (top sample)	Excavator Bucket	5	Confirmation Sample - Sidewall	VOC
A3-WW-2 (T)	Southern Portion-West sidewall of Area 3 (bottom sample)	Excavator Bucket	10	Confirmation Sample - Sidewall	VOC
A3-WW-3 (B)	Southern Portion-West sidewall of Area 3 (bottom sample)	Excavator Bucket	10	Confirmation Sample - Sidewall	VOC
A3-WW-4	Northern Portion-West sidewall of Area 3 (top sample)	Excavator Bucket	5	Confirmation Sample - Sidewall	VOC
A3-WW-5	Northern Portion-West sidewall of Area 3 (bottom sample)	Excavator Bucket	10	Confirmation Sample - Sidewall	VOC
A3-WW-5 DUP	Duplicate of A3-WW-5	Excavator Bucket	10	Confirmation Sample - Sidewall	VOC
A3-NW-1	Western Portion-North sidewall of Area 3 (top sample)	Excavator Bucket	5	Confirmation Sample - Sidewall	VOC
A3-NW-2	Western Portion-North sidewall of Area 3 (bottom sample)	Excavator Bucket	10	Confirmation Sample - Sidewall	VOC
A3-NW-3	Eastern Portion-North Sidewall of Area 3 (top sample)	Excavator Bucket	5	Confirmation Sample - Sidewall	VOC
A3-NW-4	Eastern Portion-North Sidewall of Area 3 (bottom sample)	Excavator Bucket	10	Confirmation Sample - Sidewall	VOC
A3-EW-1	Northern Portion-East Sidewall of Area 3 (top sample)	Excavator Bucket	5	Confirmation Sample - Sidewall	VOC
A3-EW-2	Northern Portion-East Sidewall of Area 3 (bottom sample)	Excavator Bucket	10	Confirmation Sample - Sidewall	VOC
A3-EW-3	Southern Portion-East Sidewall of Area 3 (top sample)	Excavator Bucket	5	Confirmation Sample - Sidewall	VOC
A3-EW-4	Southern Portion-East Sidewall of Area 3 (bottom sample)	Excavator Bucket	10	Confirmation Sample - Sidewall	VOC
A3-SW-1	Southeast Portion-South Sidewall of Area 3 (top sample)	Excavator Bucket	5	Confirmation Sample - Sidewall	VOC
A3-SW-2	Southeast Portion-South Sidewall of Area 3 (bottom sample)	Excavator Bucket	10	Confirmation Sample - Sidewall	VOC

Table 3
Final Confirmatory Sampling and Analysis Summary
Former General Motors Corporation
Allison Gas Turbine Division, Plant 10
Indianapolis, Indiana
IDEM VTP # 6991004
KERAMIDA Project No. 2629E

Sample Identification	Sample Location	Method	Sample Depth (ft)	Sampling Rationale	Lab Testing
A2-SW-1 (6')	South Sidewall of Area 2 (top sample)	Excavator Bucket	6	Confirmation Sample - Sidewall	VOC
A2-SW-2 (11')	South Sidewall of Area 2 (bottom sample)	Excavator Bucket	11	Confirmation Sample - Sidewall	VOC
A2-WW-1 (4')	West Sidewall of Area 2 (top sample)	Excavator Bucket	4	Confirmation Sample - Sidewall	VOC
A2-WW-2 (9')	West Sidewall of Area 2 (bottom sample)	Excavator Bucket	9	Confirmation Sample - Sidewall	VOC

6' = Feet

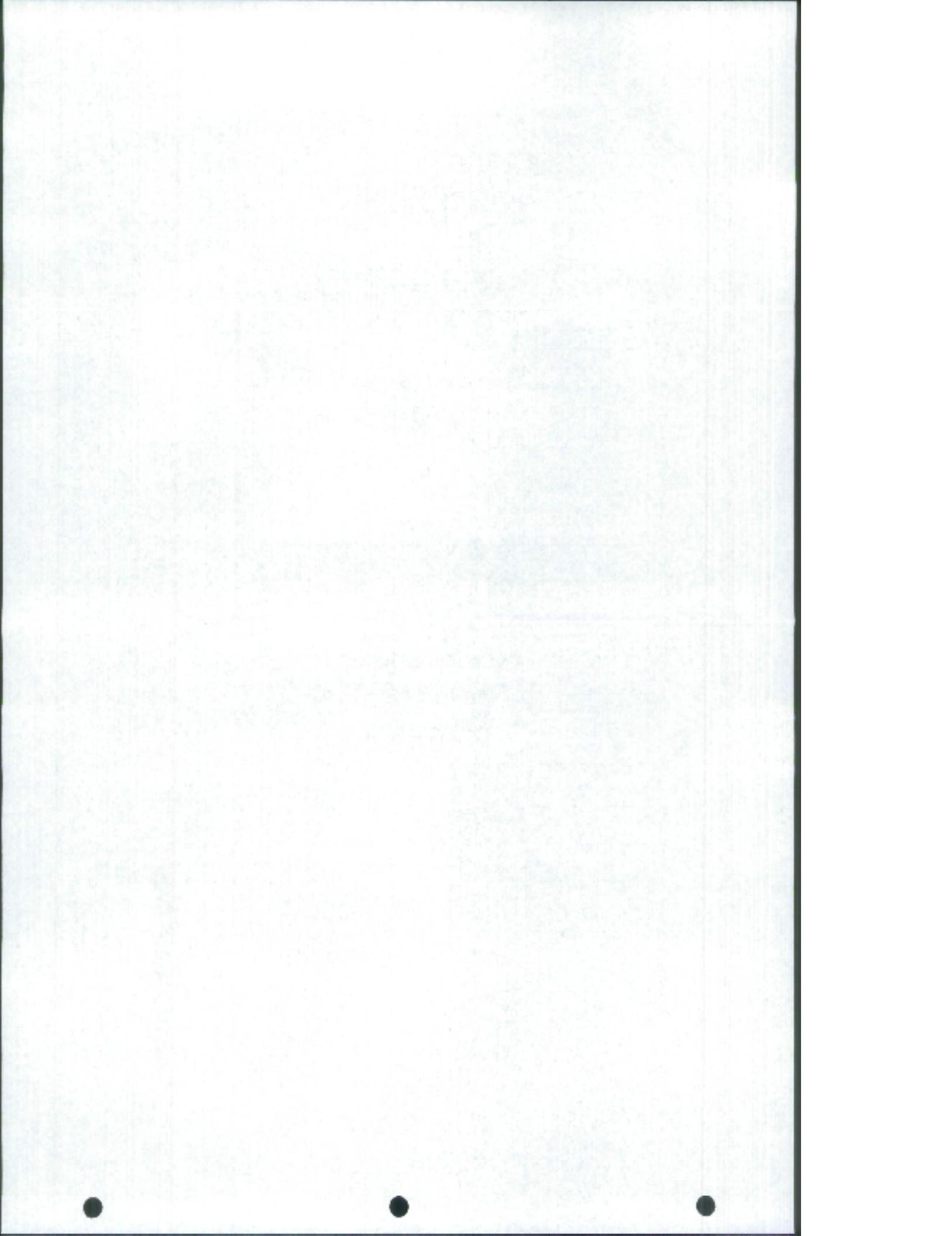
ES = KERAMIDA Sample

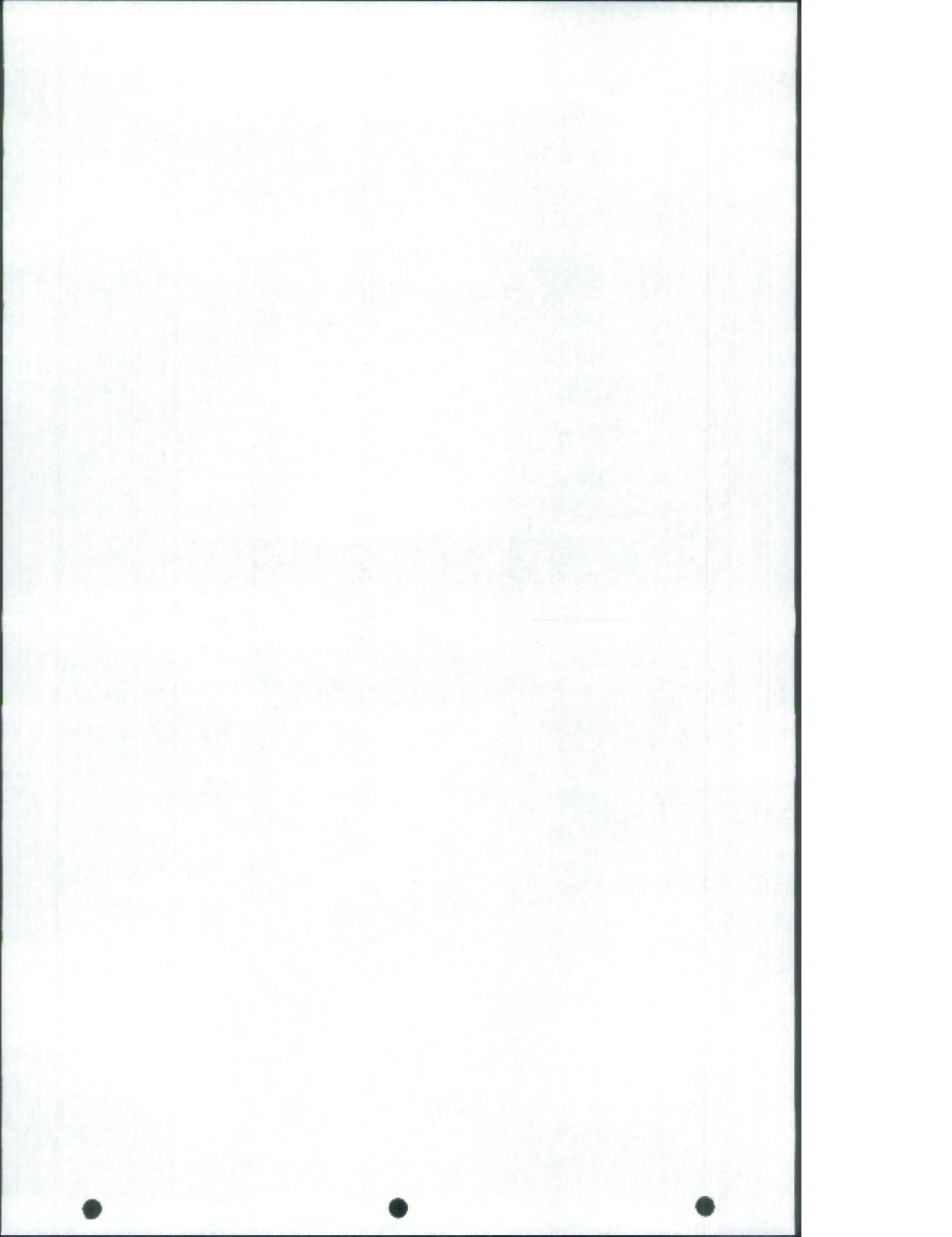
Dupl = Duplicate Sample

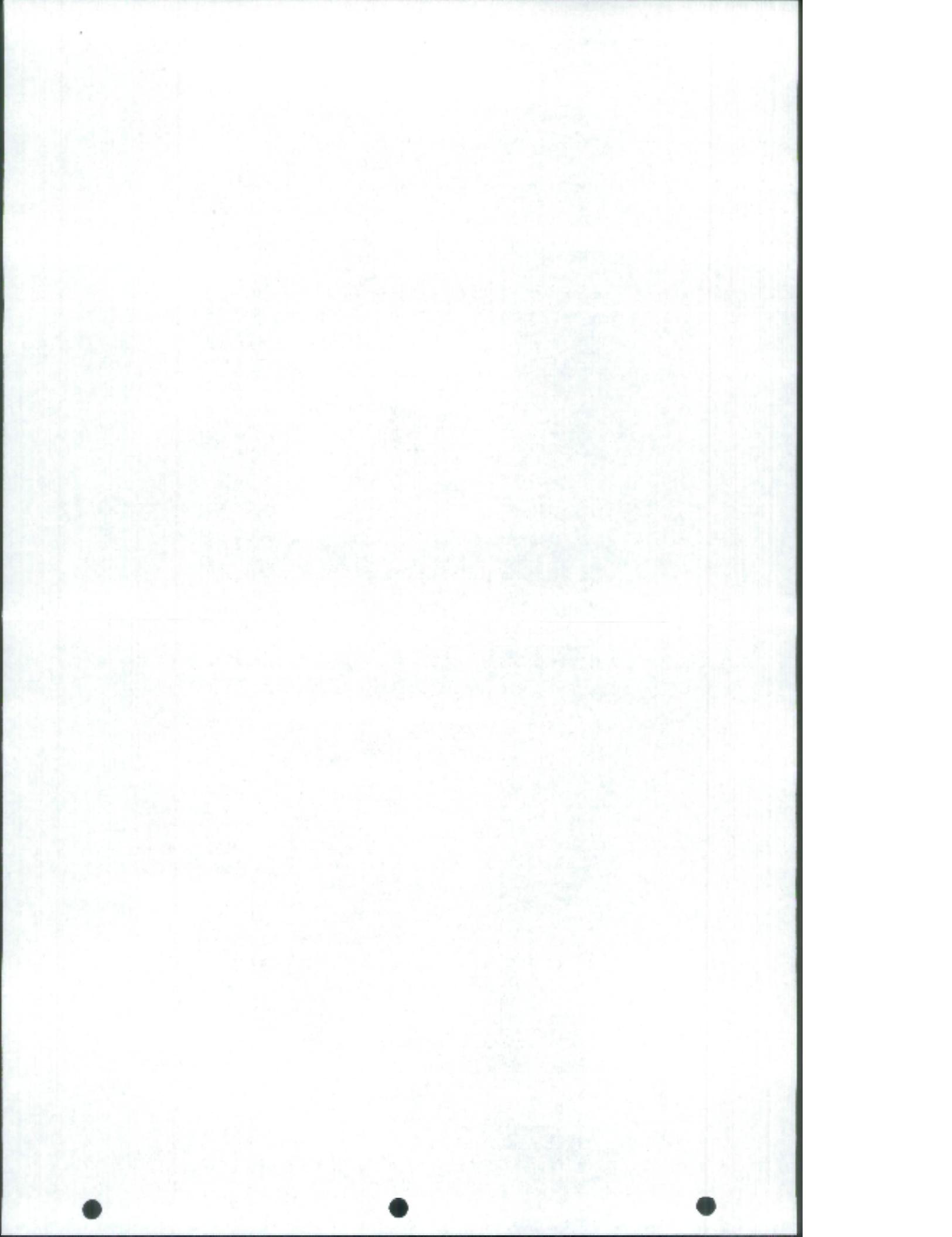
VOC = Volatile Organic Compounds U.S. EPA SW 846 Method 200.8

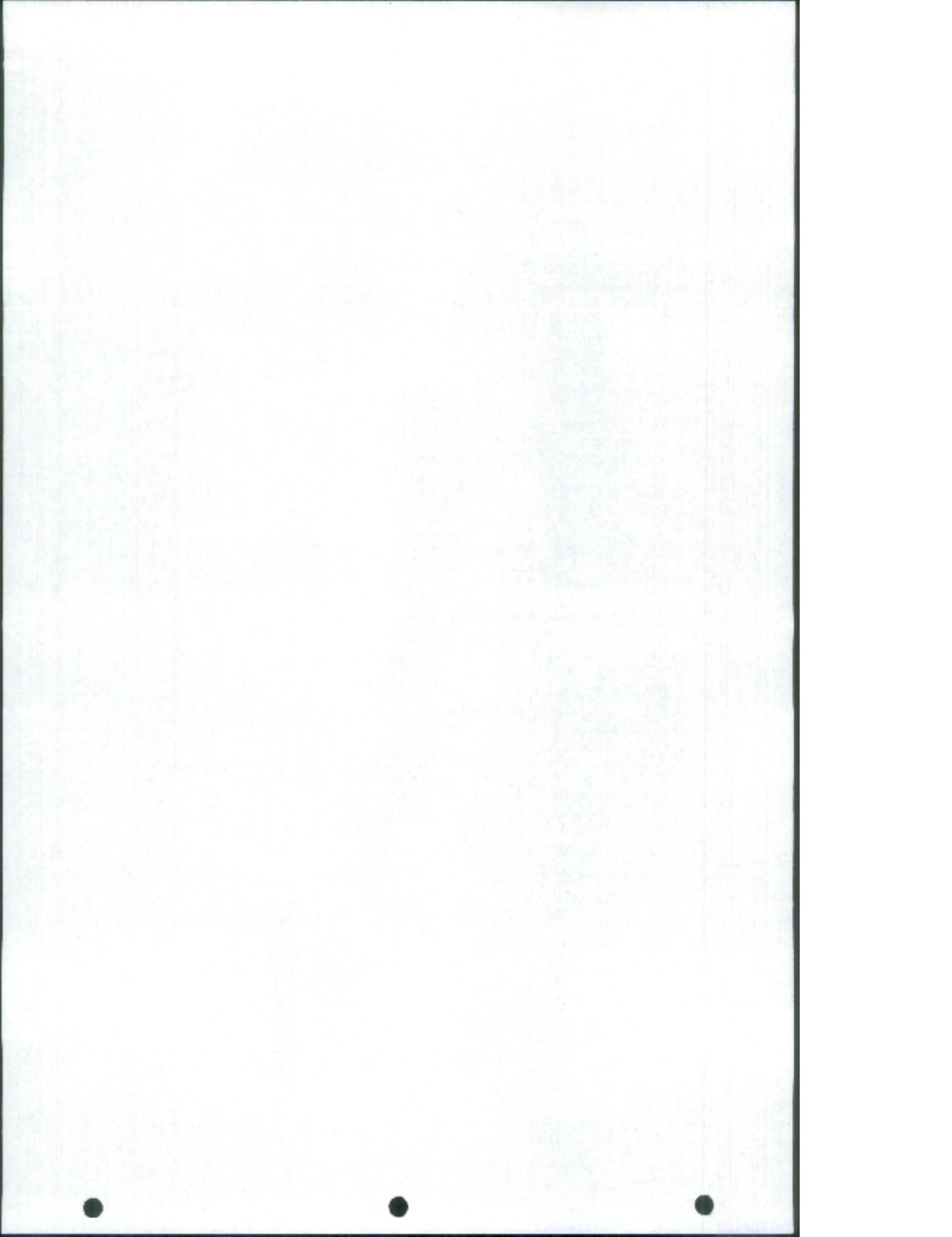
NA = Not Applicable

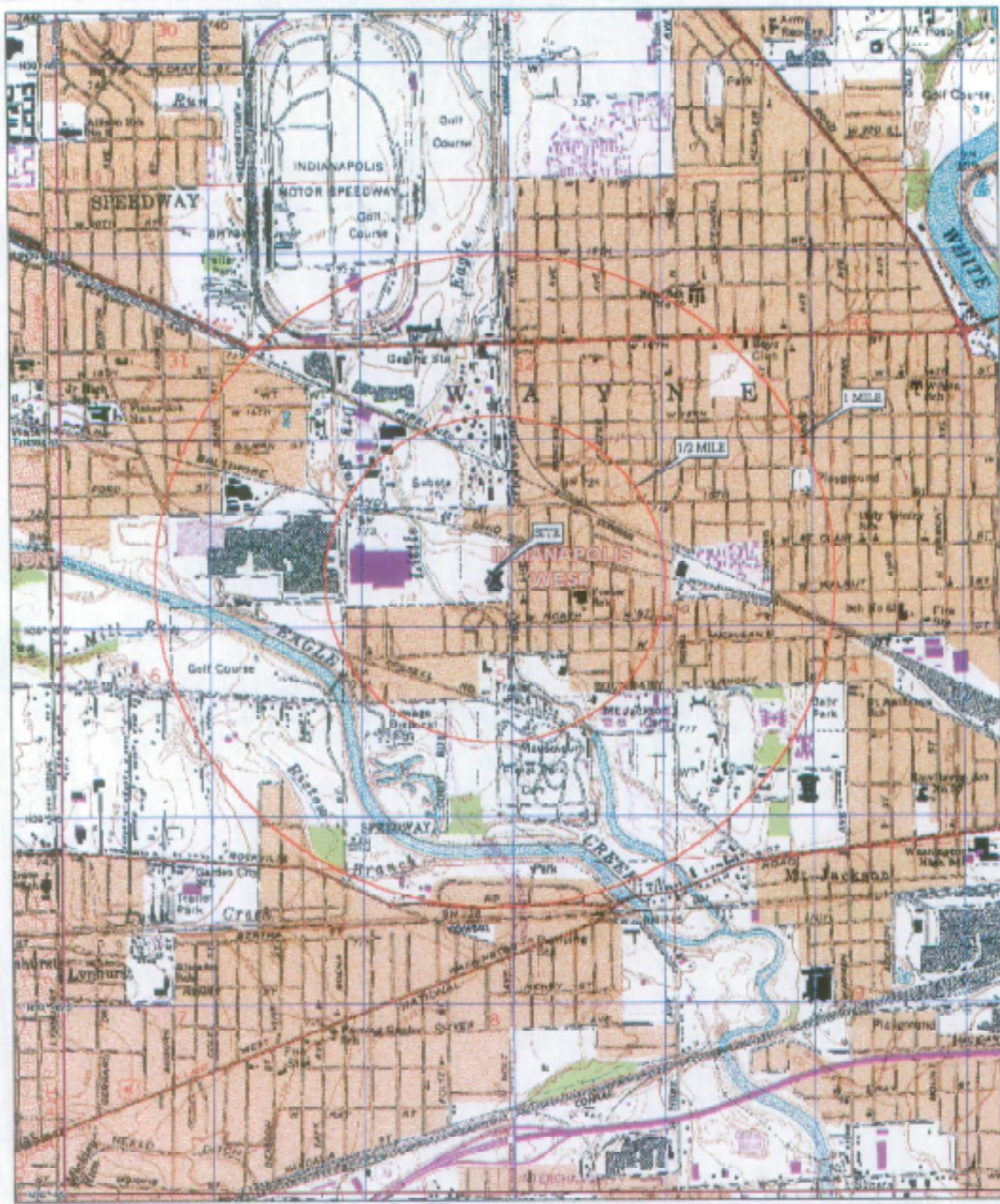
QI/QC = Quality Assurance/Quality Control











3-D TopoQuads Copyright © 1999 DeLorme Yarmouth, ME 04096 Source Data USGS 693 ft Scale 1:24,880 Details 13.0 Datum WGS84

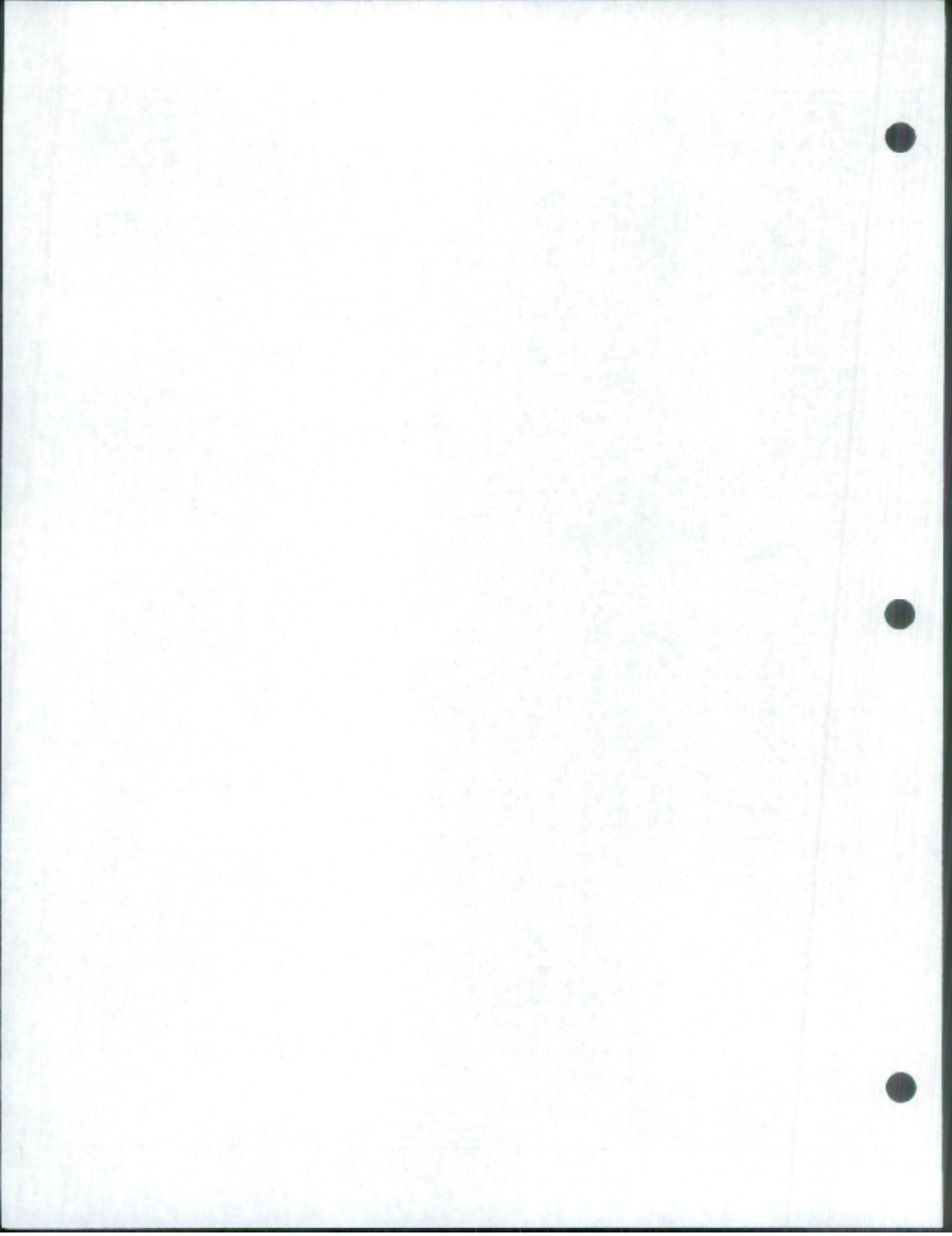
KERAMIDA Environmental, Inc.
300 North College Avenue
Indianapolis, Indiana 46202
(317) 685-6600 FAX (317) 685-8610

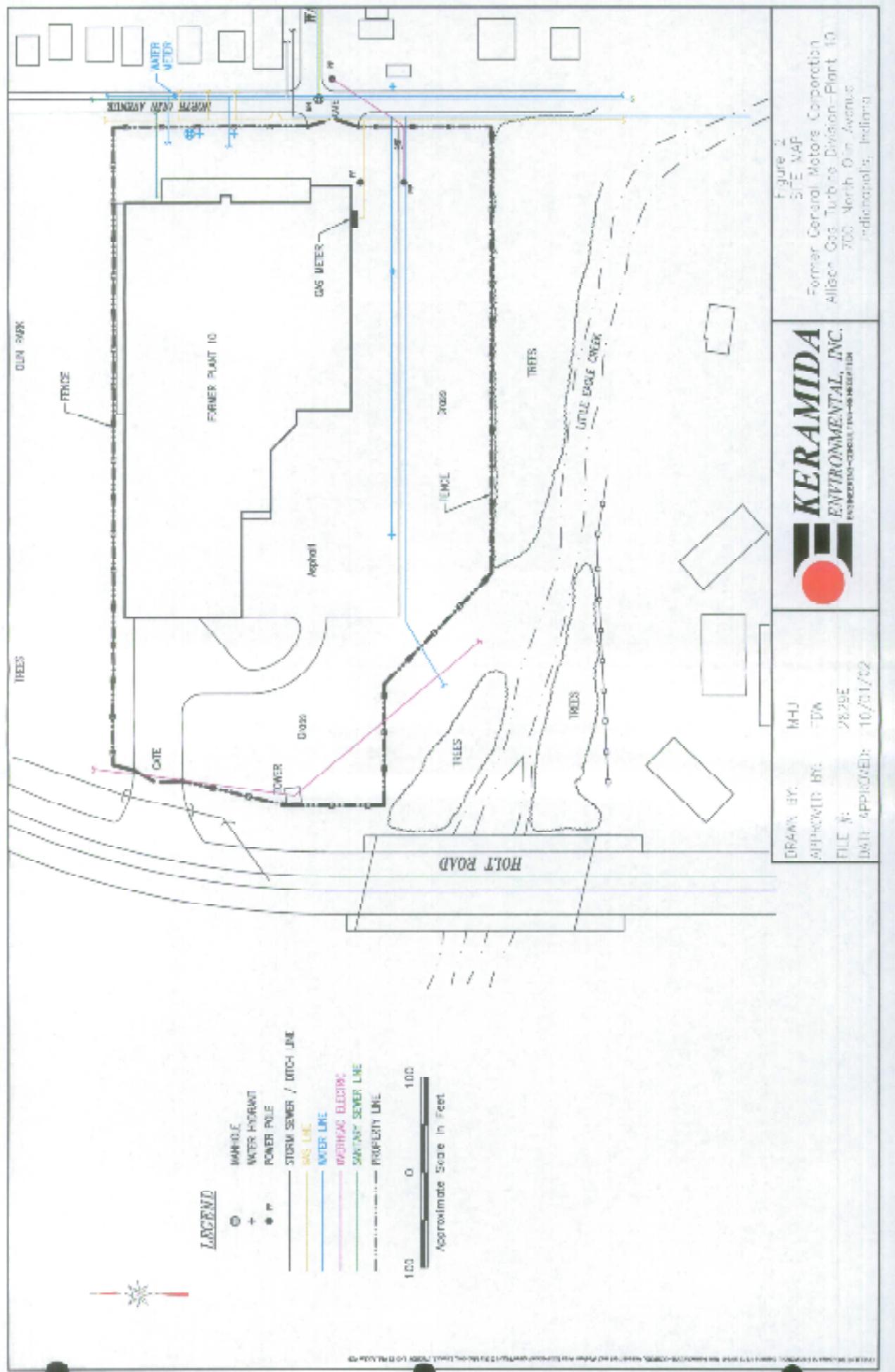


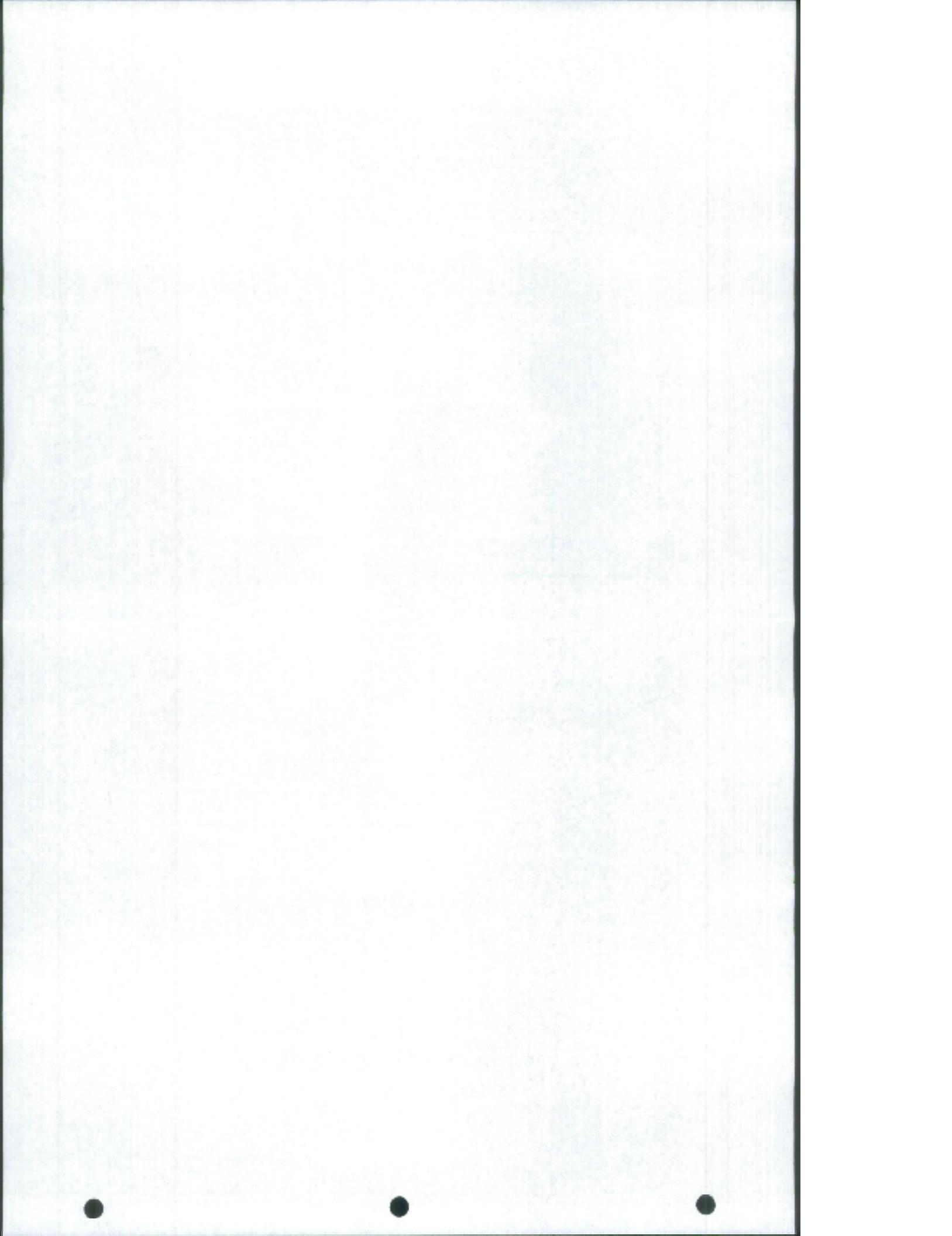
Figure 1
Site Location Map
Former General Motors Corporation
Allison Gas Turbine Plant 10
700 North Olin Avenue
Indianapolis, IN

Prepared by :
Approved by :
Date : 9/29/2002
Project Number: 2829E

N.









LEGEND

- The legend includes the following entries:

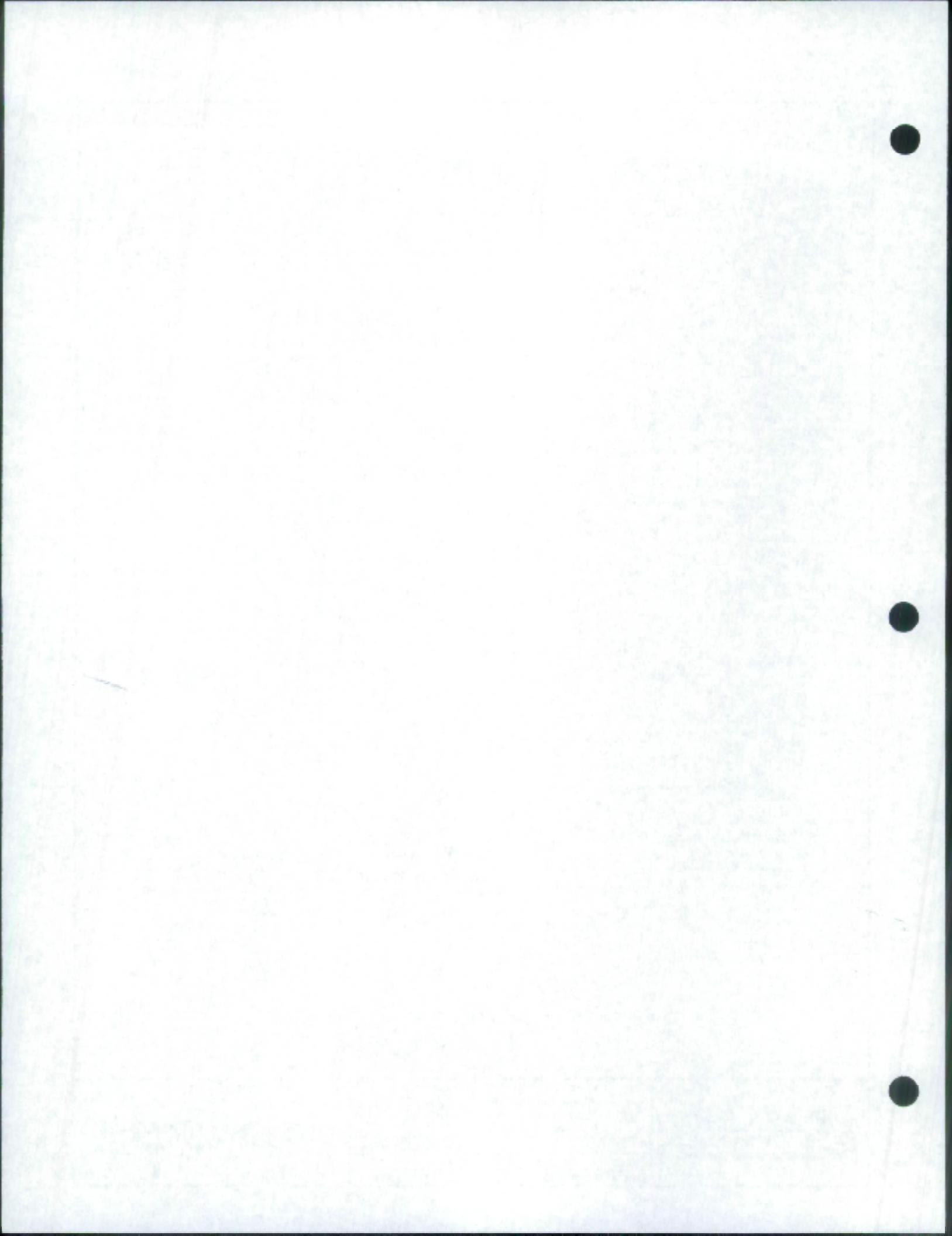
 - Soil Gas Well**: Indicated by a vertical line with a circle at the top.
 - Soil Vapor Extraction Well**: Indicated by a vertical line with a square at the top.
 - Soil Vapor Extraction Well Pad**: Indicated by a vertical line with a cross at the top.
 - Air Seepage Well**: Indicated by a vertical line with a triangle at the top.
 - Monitoring Well**: Indicated by a vertical line with a circle containing a cross at the top.
 - Kermaiso Soil Boring**: Indicated by a vertical line with a circle containing a dot at the top.
 - Excavation Boundary**: Indicated by a thick black line.
 - Exploratory Trench**: Indicated by a thick red line.

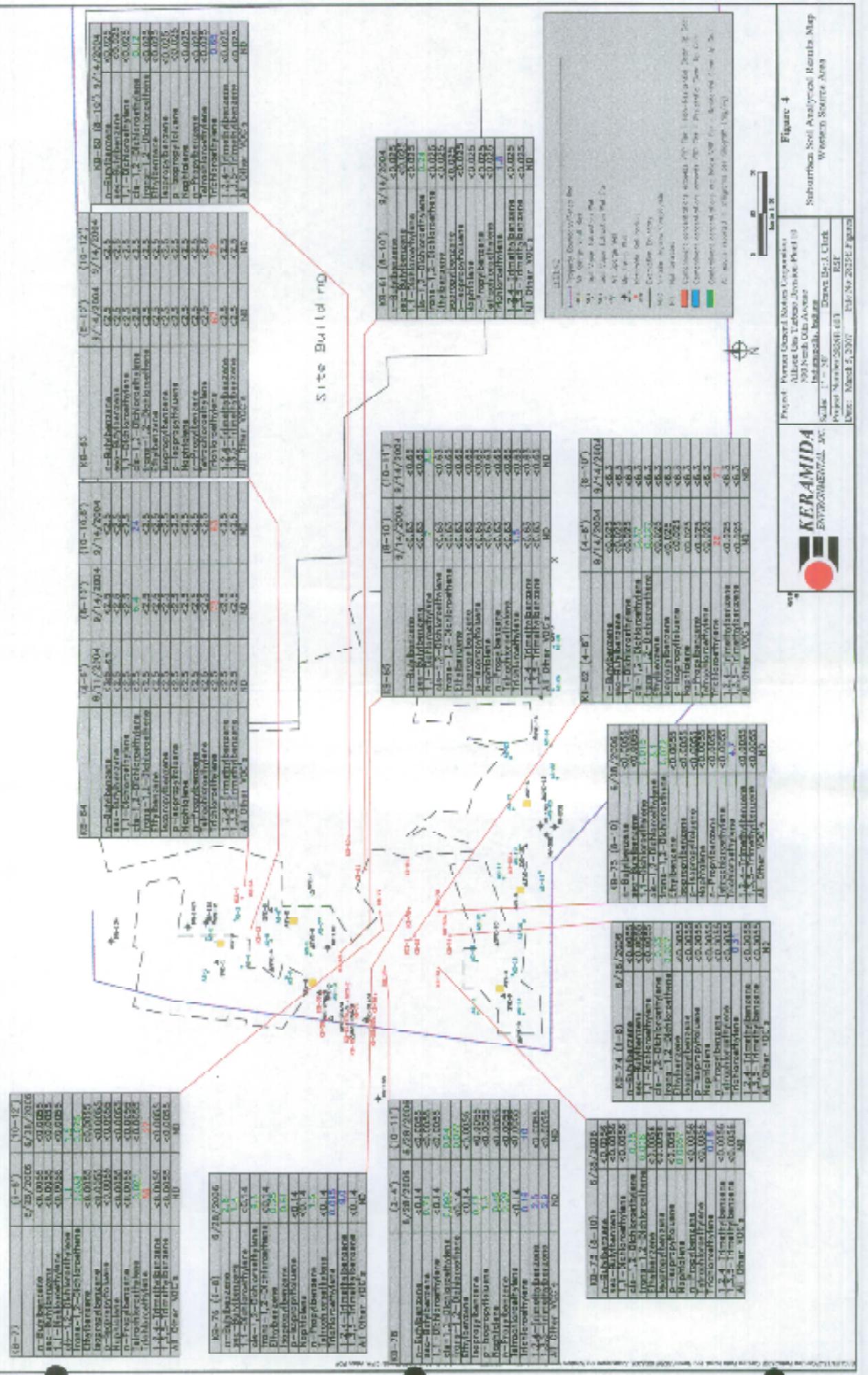
Project: Former General Motors Corporation
Allison Gas Turbine Division-Plant 10
700 North Olin Avenue
Indianapolis, Indiana

Scale: 1" = 40' Drawn By: J.C.LARK
Project Number: 2829E-003 Approved By:
Date: March 3, 2007 File No. 2829E FIG4

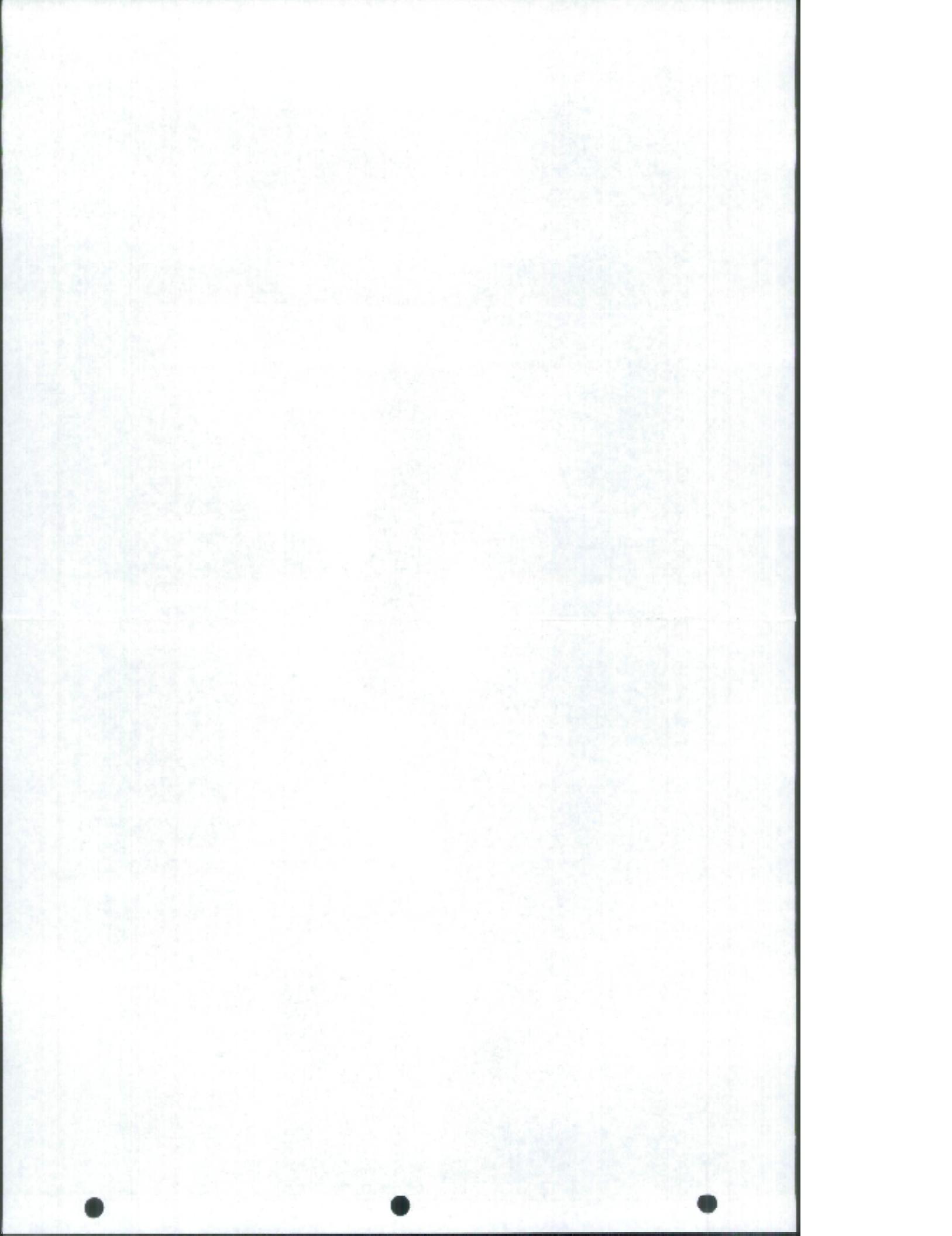
Figure 3

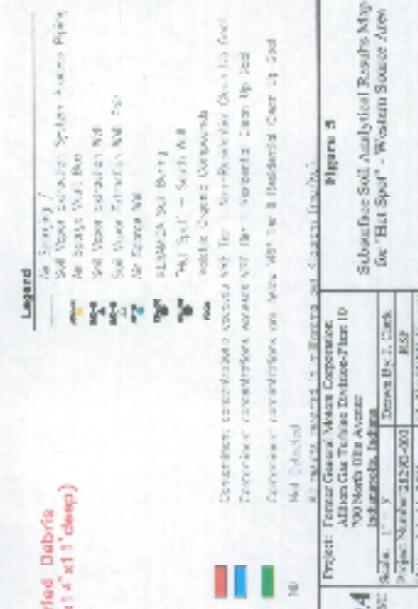
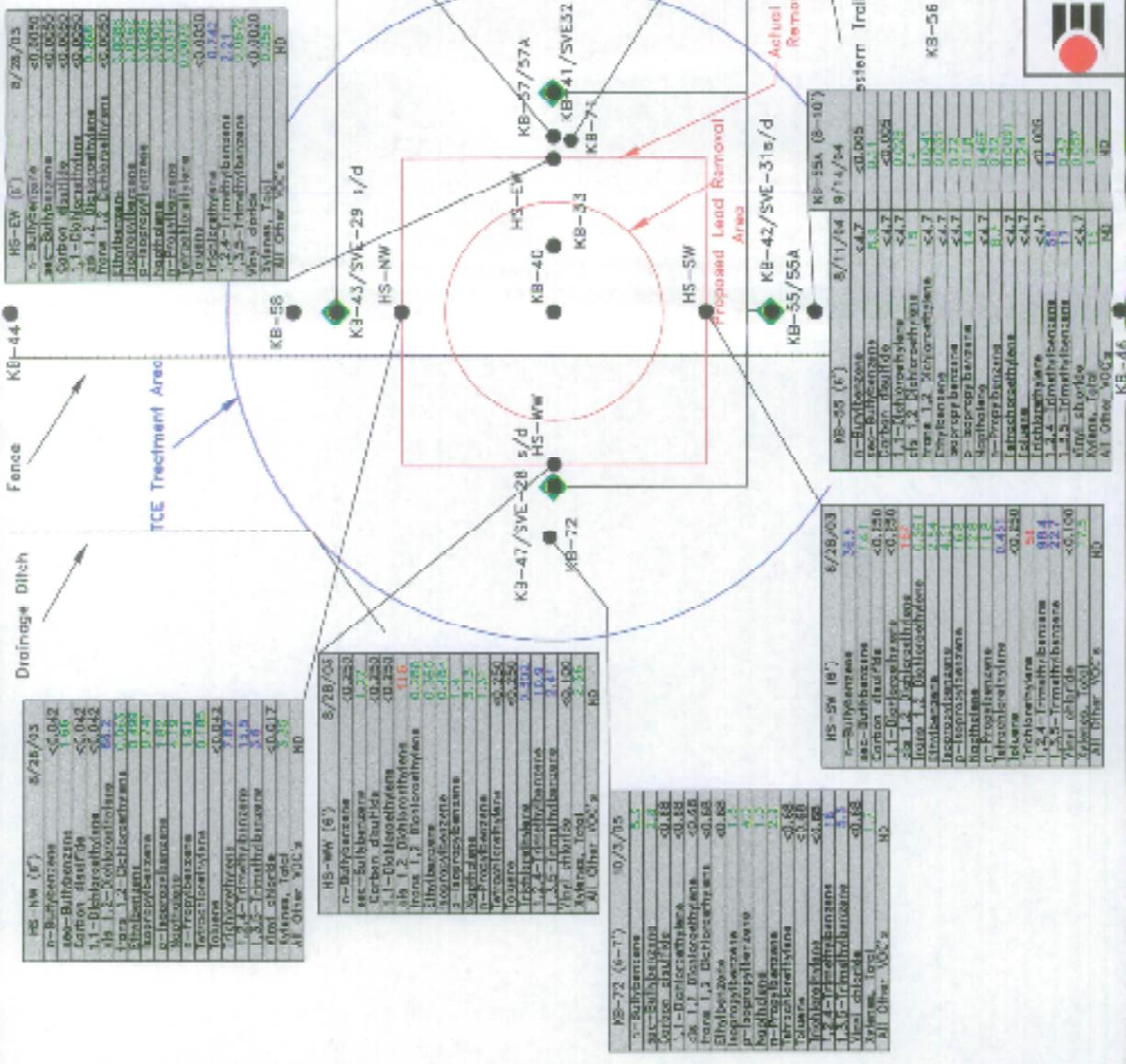
Exploratory Trenching Location Map - Western Source Area





100

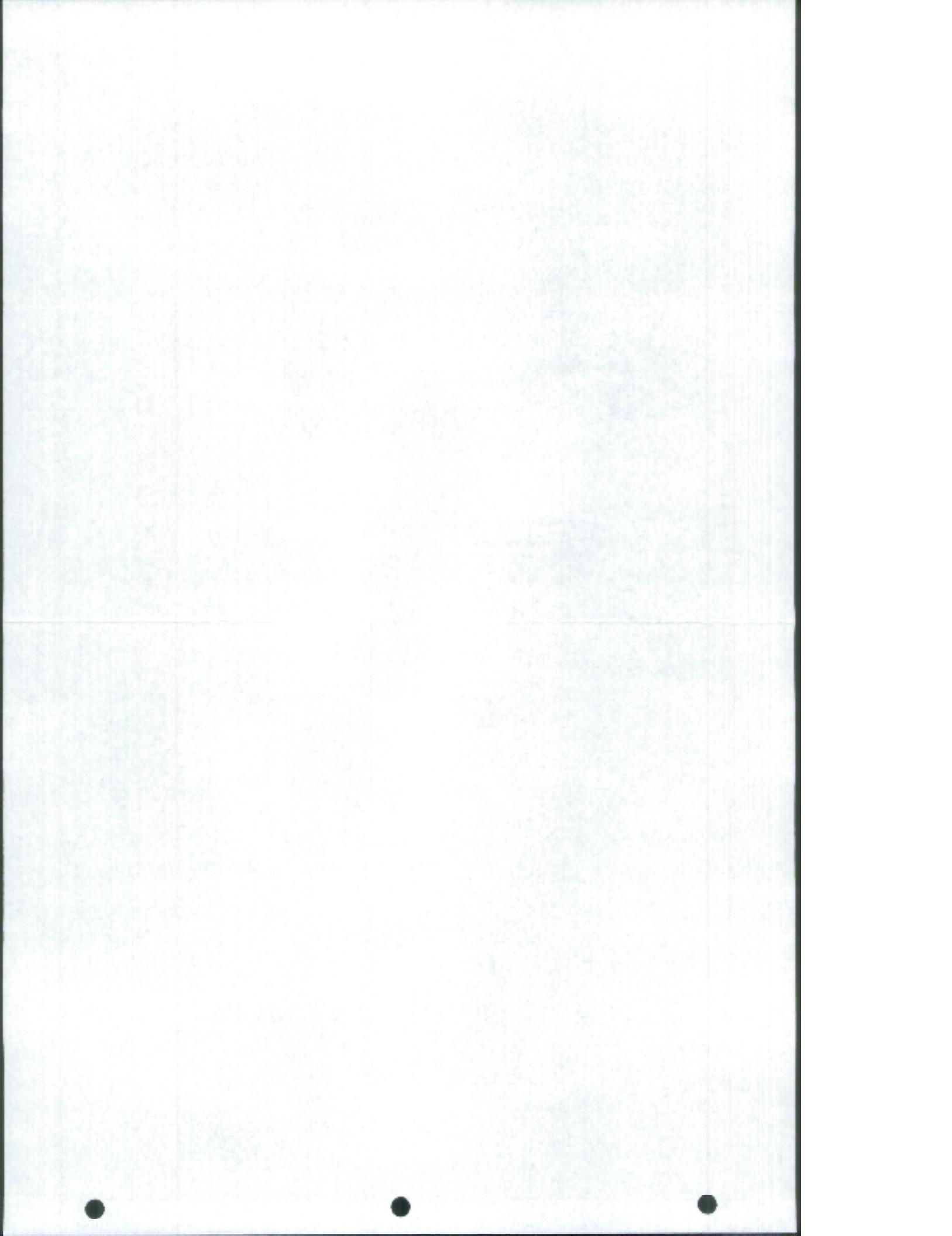


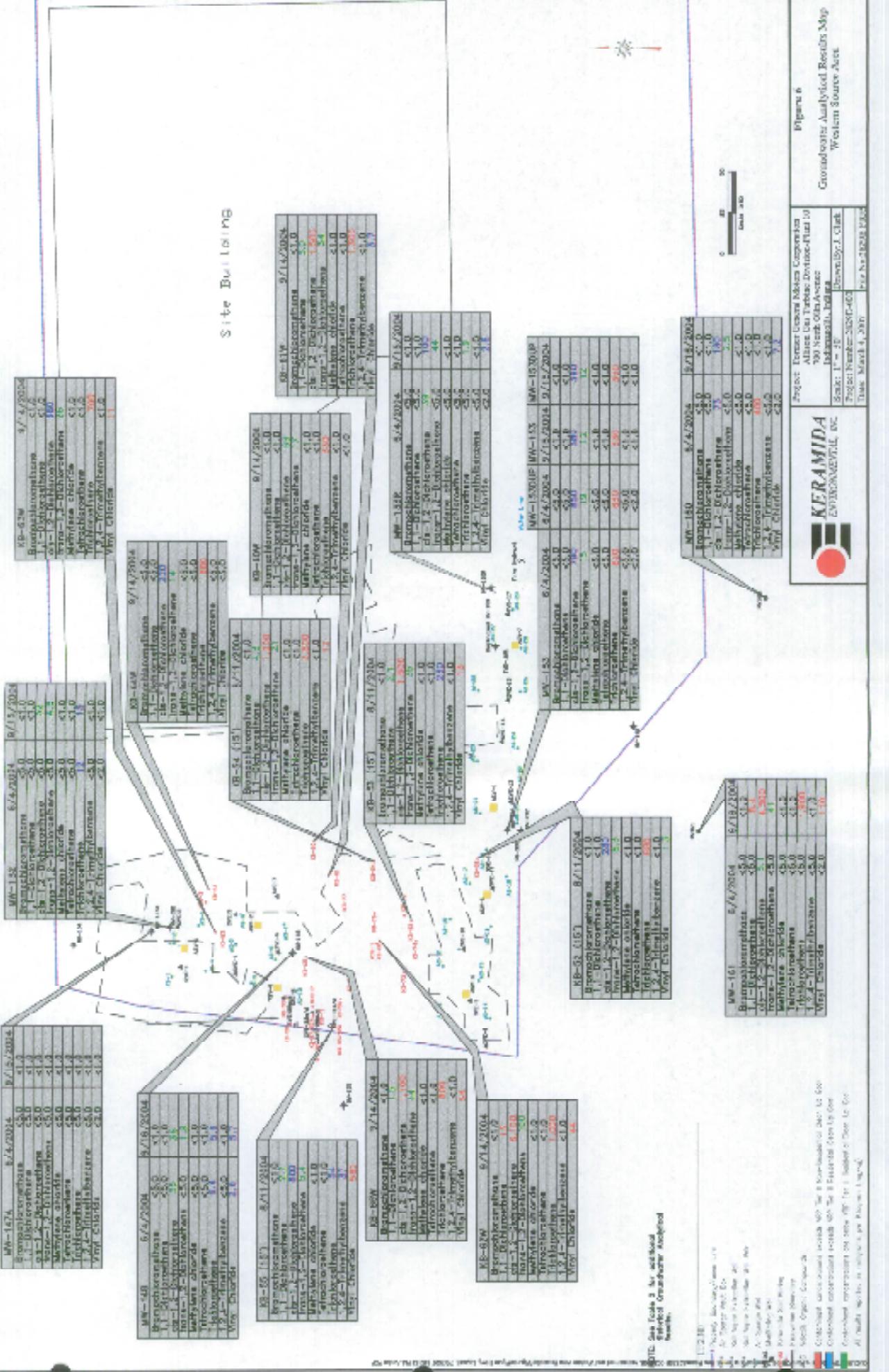


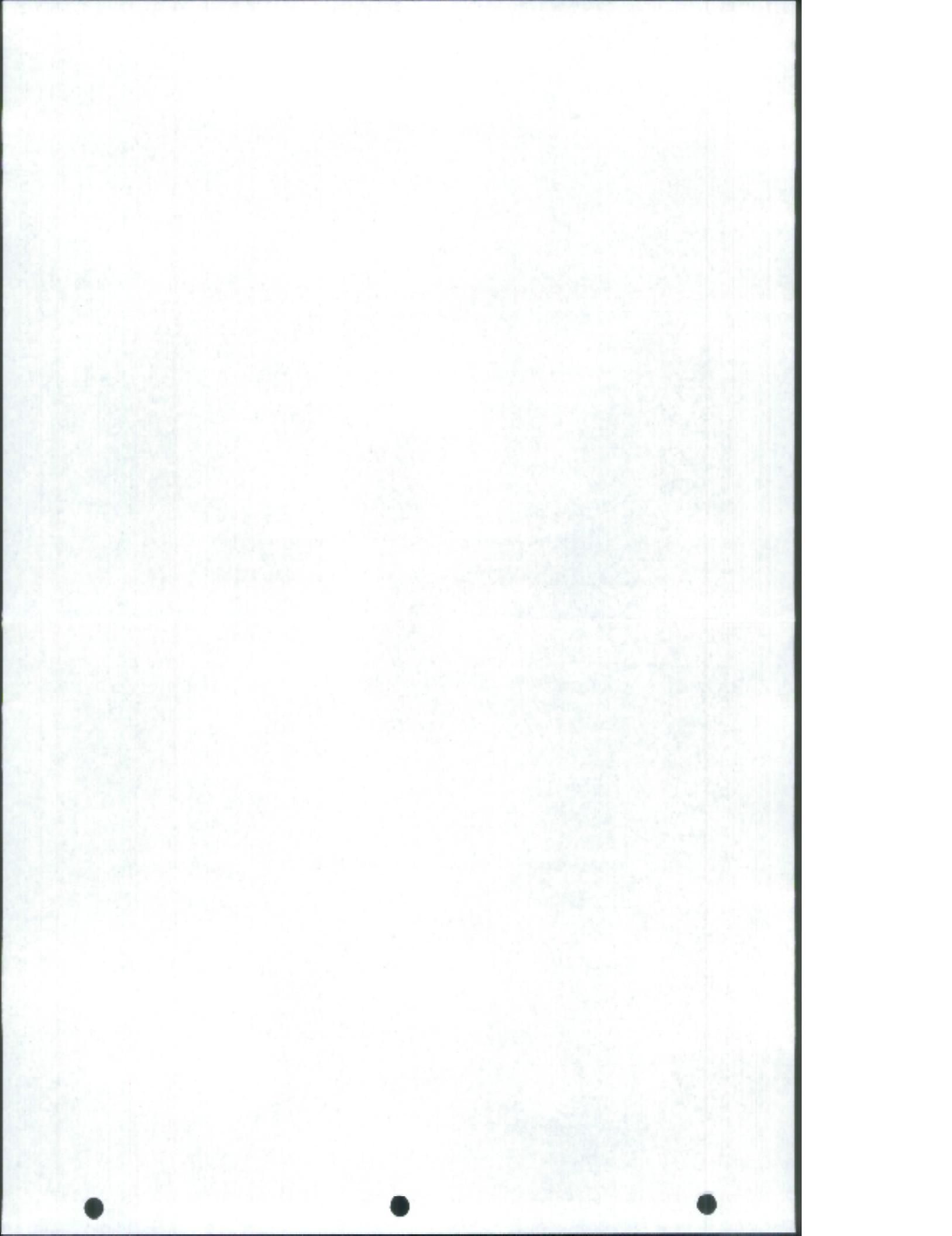
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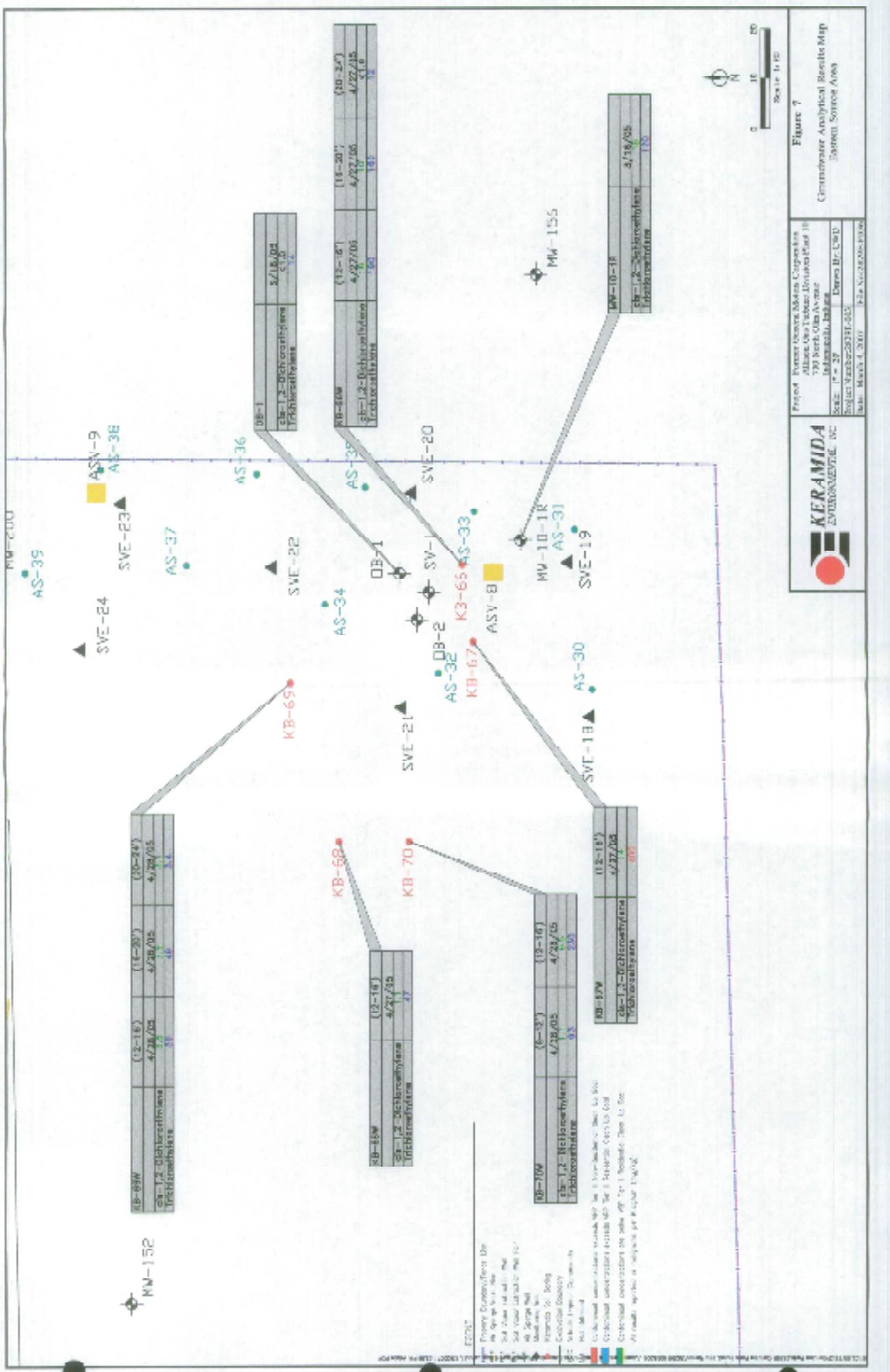
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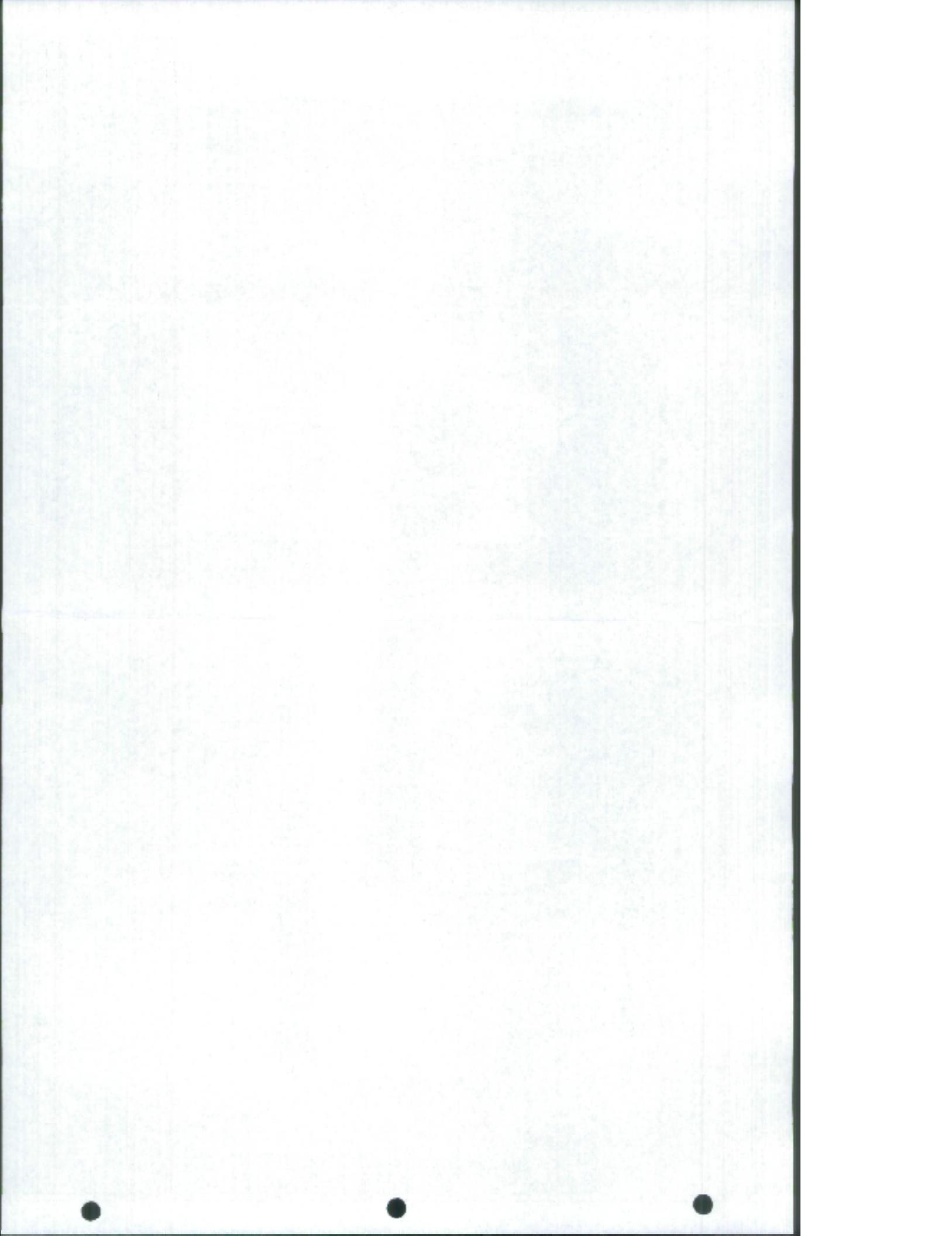
for "Big Spots" - Western Source Areas











KERAMIDA Environmental, Inc.

LOG OF BORING KB-53

(Page 1 of 1)

Genvine Perle Company
700 North Ohio Avenue
Indianapolis, Indiana

KERAMIDA Project No. 28296

Project ID : 28296
Date Drilled : 8/11/04
Drilling Method : Geoprobe
Geologist : Jason Cundey
Drilling Co. : KER

General Location : 100' NW of 18th & Ohio

Depth feet	GRAPHIC	DESCRIPTION	Sample#	Reo Feet	FID mm	Total Length	REMARKS
0		Silty Clay LOAM/Topsoil (10YR 4/3)			0.0		
2		(10YR 4/3)	4	0.0	0.0		
4		(* DRY 4/3)					
5		Clay LOAM (10YR 4/2)	2	4.0	0.0		
6					0.0		
7		* gravel screen			0.0		
10		Silty CLAY, grey (10YR 3/1)	3	4.0	0.0		
12		SAND AND GRAVEL			0.0		
14			4	4.0	0.0		
15		wet			0.0		Groundwater sample collected for analysis (12-16')
18							
20							

KERAMIDA Environmental, Inc.

LOG OF BORING KB-55

(Page 1 of 1)

Genuine Parts Company
700 North Ohio Avenue
Indianapolis, Indiana

KERAMIDA Project No. 2322E

Project ID : 2322E
Drill Owner : ERNIE OH
Drilling Method : Geoprobe
Geologist : Jason Conroy
Drilling Co. : KER

General Location : 12 S of SME 31 grid

Depth ft	GRAPHIC	DESCRIPTION	Sample	Res. Feet	FID PCM	Water Levels	REMARKS
0		Silty Clay LOAM Topsoil (10YR 4/3)			0.0		
2				3	3.4		
4		0.5' sand mix seam (10YR 4/3)			34.5		
5		1' sand and gravel seam (10YR 3/1)		2	3.4		Soil sample collected for analysis (5')
6		CLAY, SWH (10YR 3/1)			742.5		
10				3	3.2		
11		SAND mix (10YR 3/1)			458.7		
12		Silty Clay LOAM (10YR 4/3)			298.3		
13		Silty CLAY (10YR 3/1)					
14		SAND AND GRAVEL		4	3.4		
15		water			43.2		Groundwater sample collected for analysis (12-15')
16							
18							
20							

KERAMIDA Environmental, Inc.

LOG OF BORING KB-55a

(Page 1 of 1)

Genuine Parts Company
701 North Ohio Avenue
Indianapolis, Indiana

KERAMIDA Project No. 2829E

Project ID : 2829E
Date Bored : 01/14/94
Drilling Method : Geoprobe
Geologist : SRO
Drilling Co. : KER

General Location : 0.5' south of KB-55

Depth in feet	GRAPHIC	DESCRIPTION	Samples	Rat. Feet	FID PPM	Water Levels	REMARKS	
							1	2
0		Blind Drillage (0-8')				NA		
4				1	NA	NA		
8		SAND (fine), very gravelly (fine), moist, loose, yellowish brown (10 YR 5/6); w/ silt loam, moist, firm, dark gray (2.5 Y 4/0) SILT LOAM, slightly gravelly (fine), moist, firm, dark gray (2.5 Y 4/0), solvent odor present		2	NA	NA	Soil sample collected for lab analysis (8-10)	
12				3	2	600.1		
10								
14								
16								
20								

KERAMIDA Environmental, Inc.

LOG OF BORING KB-57

(Page 1 of 1)

Genuine Parts Company
700 North Ohio Avenue
Indianapolis, Indiana

KERAMIDA Project No. 2829E

Project ID : 2829E
Date Drilled : 5/20/04
Drilling Method : Geoprobe
Geologist : Jason Dordry
Drilling Co. : KEI

General Location : 2' W of SVE 32 and

Depth In feet	GRAPHIC	DESCRIPTION	Samples	Reo	PID	Water Levels	REMARKS
				Foot	ppm		
0		TOPSOIL, brown (10YR 4/3)			0.0		
2			1	4.0	0.0		
4		Silty Clay LOAM (10YR 4/3)			11.6		
6			2	4.4	49.0		Soil sample collected for analysis [3]
8					63.5		
10		gravel mix at 11' (10YR 3/1-3/2)	3	4.0	343-550		
12		SAND AND GRAVEL (10YR 4/3)			400-500		
14		Clay LOAM			400-500		
16		SAND AND GRAVEL, wet	4	3.0	400-600	▼	
18							
20							

KERAMIDA Environmental, Inc.

LOG OF BORING KB-57a

(Page 1 of 1)

Genuine Parts Company
700 North Ohio Avenue
Indianapolis, Indiana

KERAMIDA Project No. 2629E

Project ID : 2629E
Date Drilled : 8/14/04
Drilling Method : Sump
Geologist : SMC
Drilling Co. : KCI

General Location : 0.5' west of KB-57

Depth in feet	GRAPHIC	DESCRIPTION	Sample#	Reb Foot	PID ppm Cu	Water Level#	REMARKS
0	Bind Drilled (0-10')			NA	NA		
4				NA	NA		
8			2	NA	NA		
10			3	NA	NA		
12	SILT LOAM, slightly gravelly (fine), moist to wet (non-saturated), dark gray (2.5 Y 4/2). SAND, slightly gravelly (fine), wet, olive gray (5 Y 4/2); black staining and solvent odor present. SAND (fine), extremely gravelly (fine), moist, loose, olive gray (5 Y 4/2).		4	2	641		Soil sample collected for lab analysis (10-12)
16							
20							

KERAMIDA Environmental, Inc.

LOG OF BORING KB-58

(Page 1 of 1)

Garage Parts Company
700 North Olin Avenue
Indianapolis, Indiana

KERAMIDA Project No. 2828E

Project ID : 2828E
Date Drilled : 8/10/94
Drilling Method : Geoprobe®
Geologist : Jason Candy
Drilling Co. : KERI

General Location : 1/2 N of SWE 29 add

Depth in feet	GRAPHIC	DESCRIPTION	Sampled	Rod Foot	FID PPM	Water Levels	REMARKS
0		TOP SOIL (10YR 4/5)			0.0		
2		SILTY CLAY LOAM w/gravel	1	3.2		0.0	
4		SAND AND GRAVEL (10YR 4/3)			16.3		
6		SILTY CLAY		3.2			
7		SAND AND GRAVEL			66.9		
8							
9		Clay LOAM, gray (10YR 5/1-3/2)			148.0		
10				3.0		210.0	
12		SAND AND GRAVEL			22.5		
14		Clay LOAM (10YR 3/1)	4	4.0		0.0	V
		as above, wet sand, wet					
16							
18							
20							

KERAMIDA Environmental, Inc.

LOG OF BORING KB-59

(Page 1 of 1)

Genuine Parts Company
700 North Ohio Avenue
Indianapolis, Indiana

KERAMIDA Project No. 2020E

Project ID : 2020E
Date Drilled : 8/18/04
Drilling Method : Geoprobe
Geologist : Jason Gandy
Drilling Co. : KERI

General Location : 1151 E, 8° N of 50th & 2nd

Depth in feet	GRAVITY	DESCRIPTION	Samples	Roe Feet	RID mm	Water Level	REMARKS
0		TOPSOIL w/gravel (10YR 4/3)			0.0		
3		as above (10YR 5/2)	1	38	0.0		
4		as above w/day lime debris (10YR 5/3)			0.0		
4		as above w/gravel (20YR 5/2)			0.0		
6		Silty Clay LOAM (10YR 4/3)	2	48	0.0		
8		CLAY, stiff (10YR 5/2) sand at 8'			0.0		
8		LOAM w/sand and gravel (10YR 5/2)			141.3		
13		Fine SAND	3	4.0	420.1		
13		SAND AND GRAVEL			323.7		
17		Clay LOAM w/fine sand (10YR 5/2)	4	4.0	57.0		
18		wet					
20							

KERAMIDA Environmental, Inc.

LOG OF BORING KB-60

(Page 1 of 1)

Genuine Parts Company
700 North Ohio Avenue
Indianapolis, Indiana

KERAMIDA Project No. 2828E

Project ID : 2828E
Date Drilled : 8/14/04
Drilling Method : Ecoprobe
Geologist : GAC
Drilling Co. : KEI

General Location : 70' W & 30' S from the
SW corner of Site
Building

Depth in feet	GRAPHIC	DESCRIPTION	Sample #	Sec Foot	PID ppm	Water Levels W	REMARKS
0		Aerisit (0-0.3') gravel (0.3-0.5') Silt loam FILL, slightly gravelly, moist, dark yellowish brown (10 YR 3/5)				2.8	
4			1	2		NA	
8		SILT LOAM, slightly gravelly (fine), moist, firm, grayish brown (2.5 Y 6/2) SAND (fine), very gravelly (fine), wet (non-saturated), loose, dark gray (5 Y 4/1)	2	3.4	1.7		
12		SILT LOAM, very gravelly (fine), wet (saturated), firm, dark gray (5 Y 4/1) SAND (fine) gravelly (fine), wet (non-saturated), loose, dark gray (5 Y 4/1)	3	3.2	5.7		Soil sample collected for <u>SL</u> analysis (# 10)
16					24.4		
20					35.3		Groundwater sample collected for <u>SL</u> analysis (between set at 7-12' SG)

KERAMIDA Environmental, Inc.

LOG OF BORING KB-61

(Page 1 of 1)

Cerutina Pets Company
100 North 26th Avenue
Indianapolis, Indiana

KERAMIDA Project No. 28295

Project ID : 28295
Date Drilled : 8/17/97
Drilling Method : Geoprobe
Geologist : SAC
Drilling Co. : KCI

General Location : 30' W & 30' S from the
SW corner of Site
Building

Depth in ft	GRAPHIC	DESCRIPTION	Samples	Rec Foot	PID PBM	Water Level:	REMARKS
0		SANDY LOAM, slightly gravelly (fine), moist, friable, dark grayish brown (10 YR 4/2) Black staining and slight solvent odor present Very dark grayish brown (10 YR 3/2)	1	4.8			
		SANDY LOAM, very gravelly (fine), moist, loose, light olive drab (2.5 Y 5/3)			15.9		
4		SILT LOAM, gravelly (fine to medium), moist to wet (non-saturated), friable, yellowish brown (10 YR 5/4)			22.8		
			2	21		NA	
6		Very gravelly (fine)			25.0		Soil sample collected for lab analysis (2.10')
		SANDY LOAM, slightly gravelly (fine), moist, firm, dark gray (2.5 Y 4/0)	8	2.9			
		SAND, very gravelly (fine), wet (non-saturated), loose, dark gray (2.5 Y 4/0)			78.7		Groundwater sample collected for lab analysis [screen set at 10-15' bgs]
12		Wet (non-saturated to saturated)	4	26	137.2		
16							
20							

KERAMIDA Environmental, Inc.

LOG OF BORING KB-62

(Page 1 of 1)

Gehlha Parra Company 700 North Olin Avenue Indianapolis, Indiana	Project ID : 282PE Date Drilled : 9/14/04 Drilling Method : Geoprobe Geologist : SRC Drilling Co. : KERAMIDA Project No. 282PE	General Location : 130 W & 70' S from the SW corner of Site Building
--	--	--

Depth in feet	GRAPHIC	DESCRIPTION	Samples	Res. Feet	PID PPM	Water Level(s)	REMARKS
0		SILT LOAM, slightly gravelly (fine), moist, loose, yellowish brown (10 YR 5/4) Dark gray (10 YR 4/1)	1	5.0	0.4		
4		SAND (fine), gravelly (fine); moist, friable, dark grayish brown (10 YR 4/2); few, fine, faint iron concretions Slightly gravelly (fine to medium), dark gray (5 Y 4/1)	2	2.6	1.5		
8			3	2.5	127.4		Soil sample collected for lab analysis (4-6)
12		SAND, extremely gravelly (fine), wet (saturated), loose, dark gray (5 Y 4/1)	4	3.3	NA	302	Soil sample collected for lab analysis (8-10)
16							Groundwater sample collected for lab analysis (present at 10.45' bgl)
20							

KERAMIDA Environmental, Inc.

LOG OF BORING KB-63

(Page 1 of 1)

Genuine Parts Company
700 North Ohio Avenue
Indianapolis, Indiana

KERAMIDA Project No. 2629C

Project ID : 2629C
Date Drilled : 9/14/04
Drilling Method : Geoprobe
Geologist : GRC
Drilling Co. : KBI

General Location : 115' W & 30' N from the
SW corner of S 10
building

Depth ft. (m)	DESCRIPTION	Samples	Rea Feel	PID nm	Water Level ft. (m)	REMARKS
0	SILT LOAM, gravelly (fine) dry, friable, dark grayish brown (10 YR 4/2)	1	0.2			
1	Moist, firm, brown to dark brown (10 YR 4/3)	1	0.0			
4	Gravelly (fine to medium)	1		1.5		
7		2	1.0	NA		
9	SILT LOAM, slightly gravelly (fine), wet (non-saturated), firm, dark gray (2.5 Y 4/0)	1		49		Soil sample collected for lab analysis (9-10)
11	Vary gravelly (fine to medium)	3	3.2	95.8		Soil sample collected for lab analysis (10-11.2)
12	Wet (non-saturated)	4		97.8		Groundwater sample collected for lab analysis (from soil at 10-11.2 sec)
14	SAND (fine), very gravelly (fine), wet (non-saturated to saturated), loose, dark grayish brown (2.5 Y 4/0)	4	3.0			
16				62.7		

KERAMIDA Environmental, Inc.

LOG OF BORING KB-64

(Page 1 of 1)

Genuine Parts Company 700 North CGN Avenue Indianapolis, Indiana	Project ID Date Drilled Drilling Method	2829E 5/1/04 Core	General Location Site Building	: 95' W & 54' N from the SW corner of Site building
KERAMIDA Project No. 2829E	Geologist Drilling Co.	JRC KEI		

KERAMIDA Environmental, Inc.

LOG OF BORING KB-65

(Page 1 of 1)

Genuine Parts Company
700 North Ohio Avenue
Indianapolis, Indiana

KERAMIDA Project No. 2828E

Project No.: 2828E
Date Drilled: 04/04/04
Drilling Method: Geoprobe
Geologist: SRC
Drilling Co.: KER

General Location: 140' W & 25' S from SW corner of Site
Building:

Depth in feet	GRAPHIC	DESCRIPTION	Samples	Rod Feet	BID RPM	Wet Lengths	REMARKS	
							1	2
0		SANDY LOAM, slightly gravelly (fine to medium), moist, loose, brown (10 YR 5/3)				5.2		
2			1	4.5		0.6		
4		Sand & rock present SILT LOAM, slightly gravelly (fine), moist, firm, brown (10 YR 5/3) Greyish brown (2.5 Y 5/2)	2	2.5		1.0		
6		SILTY LOAM, slightly gravelly (fine), moist, friable, dark gray (2.5 Y 4/0)	3	3.9		21.8		
8			4	3.9		31.7	Soil sample collected for lab analysis (8-10)	
10			5	3.9		24.1	Soil sample collected for lab analysis (10-11)	
12		Moist to wet (non-saturated)	6	3.9		9.6	Groundwater sample collected for lab analysis (screen set at 9-14' bed)	
14		SAND (fine), gravelly (fine to medium), wet (saturated), loose, dark gray (2.5 Y 4/0)	7	3.8		73.6		
16								
18								
20								

KERAMIDA Environmental, Inc.

LOG OF BORING KB-66

(Page 1 of 1)

Genuine Parts Company
700 North Ohio Avenue
Indianapolis, Indiana

Proj. #: 2629E
Date Drilled: 3/27/05
Drilling Method: Push-probe
Geologist: Rob Horvath
Drilling Co.: KQ

General Location: Northeast of MW-10-1R

KERAMIDA Project #2629E

Depth in feet	GRAPHIC LOG	DESCRIPTION	Roc Feet	PID ppm	REMARKS
0		SANDY CLAY LOAM, moist, friable, very dark grayish brown (10 YR 3/2)		0	
		SANDY CLAY, slightly gravelly (fine), moist, friable, yellowish brown (10 YR 5/8)	3.5	0.6	
		LOAM, moist, friable, yellowish brown (10 YR 5/4)			
5		SAND (medium), slightly gravelly (fine), moist, loose, some banding of varying colors	3	1.8	
		SAND (fine to medium), moist, loose, light olive brown (2.5 Y 5/3)		0.2	
10		SAND (fine), slightly gravelly (fine), wet, light olive brown (2.5 Y 5/3)	3.5	2.2	
		SAND (fine), slightly gravelly (fine), wet, light olive brown (2.5 Y 5/3)		2.4	
15		SILT LOAM, wet		1.0	Groundwater sample collected for possible lab analysis (12-16)
		SAND (medium), slightly gravelly (fine), wet decreasing down to moist, light olive brown (2.5 Y 5/3)	4	8.0	
				4.7	Groundwater sample collected for possible lab analysis (18-20)
20		SAND (coarse), gravelly (fine), wet	3	1.0	
				2.2	Groundwater sample collected for possible lab analysis (20-24)
25		SAND (medium), wet	3	0.0	
				0.0	Groundwater sample collected for possible lab analysis (24-28)
30			2	NA	
35					
40					

KERAMIDA Environmental, Inc.

LOG OF BORING KB-67

(Page 1 of 1)

Genuine Parts Company
700 North Ohio Avenue
Indianapolis, Indiana

KERAMIDA Project #2628E

Project ID : 2628E
Date Drilled : 3/27/05
Drilling Method : Push-probe
Geologist : Rob Hoveman
Drilling Co. : KB

General Location : Northwest of MW-10-1R

Depth In Feet	GRAPHIC	DESCRIPTION	REC Feet	PID ppm	REMARKS
0		SANDY CLAY, moist, friable, dark yellowish brown (10 YR 4/4)		0.0	
				0.70	
		SANDY CLAY LOAM, moist, friable, olive brown (2.5 Y 4/3)		0.0	
5		SAND (medium), slightly gravelly (fine to coarse), dry	2	0.6	
				0.2	
				0.0	
10			3	0.6	
		SANDY LOAM, moist, friable, olive brown (2.5 Y 4/4)			
		SILT LOAM, wet, friable, olive brown (2.5 Y 4/4)		15.3	
		LOAMY SAND, wet, friable, olive brown (2.5 Y 4/4)	4		Brown/grey sample collected for possible lab analysis (1.2-18)
15		SAND (medium), wet, loose, dark grey (2.5 Y 4/1)		24.8	Soil sample collected for possible lab analysis (14-18)
20					
25					
30					
35					
40					

KERAMIDA Environmental, Inc.

LOG OF BORING KB-68

(Page 1 of 1)

Genune Parts Company
700 North Ohio Avenue
Indianapolis, Indiana

Project ID : KB68E
Date Drilled : 12/10/00
Drilling Method : Push-probe
Geologist : Rob Horwitz
Drilling Co : KED

General Location : South of Site trailer

KERAMIDA Project #ZBZBE

Depth in feet	GRAPHIC	DESCRIPTION	REC Foot	PID ppm	REMARKS
0		CLAY LOAM, moist, friable, dark yellowish brown (10 YR 3/4)		0.6	
		SANDY CLAY LOAM, slightly gravelly (fine), moist, Mable, dark yellowish brown (10 YR 3/8)	4	1.6	
5		SANDY LOAM, moist, friable, brown (10 YR 4/3) SAND (medium to coarse), slightly gravelly (fine), moist, loose	1	0.6 NA	
10		As above, wet at 10.6	25	0.2 NA	
15			3	0.2	Groundwater sample collected for possible lab analysis (12-18)
20					
25					
30					
35					
40					

KERAMIDA Environmental, Inc.

LOG OF BORING KB-69

(Page 1 of 1)

Genuine Parts Company 730 North Olin Avenue Indianapolis, Indiana	Project ID : 2829E Date Drilled : 12/2/93 Drilling Method : Push-probe Driller : Rob Hoveman Drilling Co : KER	General Location : East of Site trailer and south of pavement edge
KERAMIDA Project #2829E		

Depth in feet	GRAPHIC	DESCRIPTION	Pow. ppm	PID ppm	REMARKS
0		SANDY LOAM, slightly gravelly (fine), moist, friable, very dark yellowish brown (10 YR 3/4)	0.0		
1		CLAY LOAM, moist, friable, dark olive brown (2.5 Y 3/3)	0.0		
1		LOAMY SILT, slightly gravelly (fine), moist, friable, dark yellowish brown (10 YR 4/4)	0.0		
5		SAND (medium), moist, loose, yellowish brown (10 YR 5/4)	0.0		
			NA		
			1.4		
10		SILT, moist, friable, light olive brown (2.5 Y 5/4)	1.0		
		SAND (fine), moist, loose, light olive brown (2.5 Y 5/4)	1.0		
		SAND (fine to medium), wet, loose, brown (10 YR 5/3)	2.5		
15			4		Groundwater sample collected for possible lab analysis (12-19)
			2.2		
			2.6		
20			2.5		Groundwater sample collected for possible lab analysis (18-20)
		SAND (medium to coarse), slightly gravelly (fine to medium), wet, loose	1.0		
			0.8		
25		SAND (medium to coarse), slightly gravelly (fine to medium), wet, loose	2.5		Groundwater sample collected for possible lab analysis (20-24)
			0.2		
			1.0		
30			3		Groundwater sample collected for possible lab analysis (24-28)
			0.6		
			30		
35			0.0		Groundwater sample collected for possible lab analysis (28-32)
			1.4		
40			3.5		
			0.0		Groundwater sample collected for possible lab analysis (32-36)

KERAMIDA Environmental, Inc.

LOG OF BORING KB-70

(Page 1 of 1)

Genuine Parts Company
700 North Ohio Avenue
Indianapolis, Indiana

Project ID : 2829E
Date Drilled : 3/28/05
Drilling Method : Push-pieze
Geologist : Rob Hoverman
Drilling Co : KEI

General Location : 20' south of KB-68

KERAMIDA Project #2829E

Depth in feet	GRAPHIC	DESCRIPTION	Res. Foot	PID ppm	REMARKS
0		CLAY LOAM, moist, friable, dark grayish brown (10 YR 4/2)	3	0.0	
5		SAND (medium), slightly gravelly (fine), moist, loose, pale brown (10 YR 3/0)	2.75	0.2	
10		SAND (medium), moist increasing down Black staining at 10'	3	0.2	Sci. sample collected for possible bio lab analysis (10.75-10)
15		SAND (fine to medium), gravelly (fine to medium), wet, loose	3.5	0.5	Groundwater test pie collected for possible lab analysis (12-16)
20					
25					
30					
35					
40					

KERAMIDA Environmental, Inc.

LOG OF BORING KB-71

(Page 1 of 1)

General Parts Company 700 North Olm Avenue Indianapolis, Marion County, Indiana		Project ID : 2829E-001	Date Drilled : 10-03-08	Drilling Method : Push Probe	Geological Tech : Ryan Moore	Drilling Co : KB	General Location : Adjacent to 5VB-02
KERAMIDA Project No. 2829E-001							
Depth in feet	Geologic	DESCRIPTION	Samples	Per ft	RID ppm	REMARKS	
0		Silt Loam, slightly gravelly (medium), friable, dry, 2.5Y 3/2 (very dark grayish brown)			0		
		Sandy Loam, slightly gravelly (medium), friable, dry, 2.5Y 4/3 (olive brown)	1	62	0		
4		Sand (medium to coarse), (fine), (medium), loose, moist, 2.5Y 3/2 (very dark grayish brown)	2	80	35.4		
			3	80	359.1		
8		Sandy Loam, gravelly (medium), friable, moist, 5Y 4/2 (olive gray), solvent like odor Same as above, wet (non-salinated).	4	100	827.1	Soil sample collected for lab analysis (8-10).	
			5	100	950.1	Soil sample collected for lab analysis (10-12).	
12							
16							
20							

KERAMIDA Environmental, Inc.

LOG OF BORING KB-72

(Page 1 of 1)

Genuine Parts Company 730 North Old Avenue Indianapolis, Marion County, Indiana		Project ID Date Drilled Drilling Method Geological Tech Boring Co	2020E-001 10-03-03 Push-Probe Ruth Moore KB	General Location Adjacent to SoE 28
KERAMIDA Project No. 2020E-001				
Depth in feet	GRAPHIC	DESCRIPTION	TESTS	REMARKS
0		Silt loam, friable, moist, 10YR 3/2 [very dark grayish brown] Same as above, slightly gravelly (medium), friable, brick fragments	1 60	0
4		Lumpy Sand (medium), loose, moist, 2.5Y 4/4 (olive green)		0
7		Sandy loam, friable, moist, 2.5Y 3/2 [very dark grayish brown] Same as above, gravelly (medium), friable, moist, 5Y 4/1 (dark gray), solvent like odor	2 100 249.1	Soil sample collected for lab analysis (p-r)
9				194.3
10		Sand (medium to coarse), (fine), (medium), loose, wet (non-saturated), 2.5Y 4/4 (olive brown)	3 100	707.1
11		Same as above, wet (saturated)		
12				
13				
14				
15				
16				
17				
18				
19				
20				

KERAMIDA Environmental, Inc.

LOG OF BORING KB-73

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Genuine Parts Company
700 North Ohio Avenue
Indianapolis, Indiana

Keramida Project No. 2628E

Project ID : 2628E
Date Drilled : 8/28/03
Drilling Method : Auger
Geological : N/A
Drilling Co. : KER

General Location : 125 SW of KB-63

Depth ft	Geographic	DESCRIPTION	Sample #	Perc. #	FID ppm	Water Level	REMARKS
0	T	Topsoil	1	50	0		
1	T						
2	T						
3	T	No recovery	1	50	0		
4	T	Coarse sand with gravel, tan, dry, loose	2	49	0		
5	T	Sand with cobbles, dry to moist, soft to medium, dark gray	2	79	1.5		
6	T	Sand fine to medium with gravel, loose, moist, dark gray	3	100	0		
7	T	Wet	3	100	1.5		Soil sample collected for lab analysis (0-10)
8							
9							
10							
11							
12							
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15							
16							
17							
18							
19							
20							

KERAMIDA Environmental, Inc.

LOG OF BORING KB-74

(Page 1 of 1)

Ground Parts Company 700 North Olin Avenue Indianapolis, Indiana KERAMIDA Project No. 2829E	Project ID : 2829E Date Drilled : 6/28/00 Drilling Method : Geoprobe Geologist : RSR Drilling Co. : KA	General Location : 125' S of KB-52				
Depth In feet	GRAPHIC	DESCRIPTION	Samples Rec'd #	FID ppm	Water Level ft	REMARKS
0	T	Topsoil	1	100	0	
1	T					
2	T					
3	T					
4	T	Silt Loam, dry, loose, horizontal	1	100	0	
5	T	Fine to medium sand, brown, loose, dry	1	100	0	
6	T	Wet gravel	1	100	12	
7	T	Silt Loam with sand, moist, stiff, slight red staining, dark gray and tan	2	100	12	Soil sample selected for lab sample # 2-3
8	T	No staining	1	100	0.2	
9	T		3	75	0	
10	T				0.5	
11	T	Fine to medium sand with gravel, wet, dark gray, loose	1	100	0	
12						
13						
14						
15						
16						
17						
18						
19						
20						

KERAMIDA Environmental, Inc.

LOG OF BORING KB-75

(Page 1 of 1)

Genuine Parts Company
200 North Old Avenue
Indianapolis, Indiana

XERAMIDA Project No. 20000

Boring ID : 02000
Date Drilled : 10/12/88
Drilling Method : Geoprobe
Geologist : DCC
Drilling Co. : KER

General Location : 125 ESE of KB-62

Depth in ft	GRAPHIC	DESCRIPTION	Samples	Rad Rm	FBD Rm	Water Level	REMARKS
0		Topsoil					
3		Silt loam with sand, medium tan, dry, brown		100	4		
4		With gravel					
5		Medium sand, tan, loose, dry	2	75	0		
5		Silt loam with sand, medium tan, tan, dry clay, dark gray			14.5		
6		Mud					
7		With gravel, wet, loose	3	100	14.5		803 sample collected for lab analysis M-10
10		Medium sand at top			14.5		
13							
20							

KERAMIDA Environmental, Inc.

LOG OF BORING KB-76

(Page 1 of 1)

Genuine Parts Company 700 North Clark Avenue Chicago, Illinois	Project ID : 2829E Date Drilled : 10/19/01 Drilling Method : Geoprobe Geologist : TDF Drill Rig : XE	General Location : 18° E of KB-42
KERAMIDA Project No. 2829E		

Depth in feet	GRAPHIC	DESCRIPTION	Samples	Res. #	TDS ppm	Water Levels	REMARKS
0		Topsoil with some fill material					
1							
2							
3		Silt loam with sand; dry, brown, soft, brick fragments (3-3)	1	100	0		
4		Dark gray, medium to stiff					
5		Brick fragments (4-5)					
6		Medium sand with gravel, tan, loose, dry	2	100	30		
7							
8		Silt loam, dry, tan, medium stiff Dark gray			900		Soil sample collected for lab analysis (68)
9		Moist			400		
10		Very moist to wet	3	100	100	▼	
11		Medium sand with gravel, wet, tan, loose			250		
12							
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KERAMIDA Environmental, Inc.

LOG OF BORING KB-77

(Page 1 of 1)

General Parts Company 700 North City Avenue Indianapolis, Indiana	Project ID : 123456 Date Drilled : 5/28/00 Drilling Method : Geoprobe Geologist : RSP Drilling Co. : KCI	General Location : 1/2 NE of KB-82
KERAMIDA Project No. 2829E		

Depth ft. m	Geographic Location	DESCRIPTION	Sample No.	Spec % Moist	Elevation ft. m	Water Level ft. m	REMARKS
							REMARKS
0	Turf						
1	No recovery		1	8	20		
4	Silt loam with sand, medium stiff, tan, dry						
5	Dark gray sand loam, with gravel		2	102	30		
6	Dark gray, with gravel		3	103	60		Soil sample collected for lab analysis (B-3)
8	Becoming moist						
9	Medium sand with gravel, tan, moist, loose		4	100	39		Soil sample collected for lab analysis (B-4)
10	Silt loam with gravel, dark gray, very moist						
11	Medium to coarse sand, gray, loose, wet		5	100	25		
12							
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19							
20							

KERAMIDA Environmental, Inc.

LOG OF BORING KB-78

(Page 1 of 1)

Centura Parks Company 700 North City Avenue Indianapolis, Indiana	Project ID : 2609E Date Drilled : 8/20/93 Drilling Method : Geoprobe Geologist : RSP Drilling Date : 8/20/93	General Location : 126 Miller KB-62
KERAMIDA Project No. 2609E		

Depth in ft	DESCRIPTION	Gravel ft	Roc %	FID ppm	Water Level ft	REMARKS
0	Topsoil with gravel and wood					
1	Medium sand with gravel, tan, loose, dry	1	100	20.5		
2	Silt loam with sand, dark grey and tan, dry, soft, some black staining (3-4.7)			750		Soil sample collected for lab analysis (3-4)
4	Without staining			0.3		
5	Medium to coarse sand with gravel, loose, brown, dry	2	100	3.0		
6	Sandy silt loam, dry, stiff, gray			3.0		
8	Molst			25		
10	Fine to medium sand, loose, gray and tan, wet	3	100	226		Soil sample collected for lab analysis (10-11)
12						
14						
16						
20						

KERAMIDA Environmental, Inc.

LOG OF BORING KB-A

(Page 1 of 1)

Foster General Motors Corporation
Allison Gas Turbine Division-Plant 10
700 North Old Avenue
Indianapolis, Indiana

KERAMIDA Project No. 2829E-005

Project ID : 2829E-005
Date Drilled : 8/24/2006
Drilling Method : Push-probe
Geologist/Tech : Steve Cobb
Drilling Co. : Keramida

General Location : North of 5th St in
the southern portion of
the Hot Rod企地

Depth in feet	DESCRIPTION	FID ppm	REMARKS	
			ft	in
0	Blnd Drilled (3-2)			
5	SANDY LOAM, gravelly (fine to medium), moist, firm, dark gray (5 Y 4/1)		NA	
5.0			NA	
5.5			NA	
6				
6.0				
6.5				
7				
7.5				
8				
8.0				
8.5				
9				
9.5				
10	SAND (fine), moist, loose, dark gray (5 Y 4/1) SANDY LOAM, gravelly (fine to medium), moist, firm, dark gray (5 Y 4/1), strong odor present	297		
10.0				
10.5				
11				
11.5				
12				
12.5				
13				
13.5				
14				
14.5				
15				

KERAMIDA Environmental, Inc.

LOG OF BORING KB-B

Page 1 of 1

Former General Motors Corporation Allison Gas Turbine Division, Plant 10 700 North City Avenue Indianapolis, Indiana	Project ID : 282EE-005 Date Entered : 8/5/2004 Drilling Method : Push-probe Geologist/Tech : Steve Cobb Drilling Co. : Karmazek	General Location : Northwest of SVE-1 in the southeast portion of the Hall Road entrance
KERAMCO Project No. 282EE-005		

Depth in feet	CORGRAPHIC	DESCRIPTION	HT	PID ppm	REMARKS
3		Blind Drilled (0-4')		NA	
4			NA	NA	
5			NA	NA	
5.0		SANDY LOAM, gravelly (fine to medium), moist, firm, dark gray (5 Y 4/1)		0.0	
6			28	18.5	Collected a soil sample for laboratory analysis (S-8)
7					
7.0		Rock			
7.5		SAND (fine), extremely gravelly (fine to medium), moist, loose, very dark gray (5 Y 3/1)	1.4	1.0	

KERAMIDA Environmental, Inc.

LOG OF BORING KB-C

(Page 1 of 1)

For or General Motors Corporation
 Allison Gas Turbine Division-Plant 1D
 700 North Ohio Avenue
 Indianapolis, Indiana

KERAMIDA Project No. 2020E-005

Project ID : 2020E-005
 Date Drilled : 08/24/2009
 Drilling Method : Push probe
 Geologic Tech : Steve Cobb
 Drilling Co. : Kera-Mida

General Location : Approx. 10' north of
 test boring KB-A

Depth in feet	DESCRIPTION	PILOT feet	REMARKS
0	Blind Drilled (0-4')		
4'		NA	
5'	SANDY LOAM, gravelly (fine to medium), moist, firm, dark gray (5 Y 4/1)	0.0	
6'		3.0	
7'	SAND w/ gravel	3.8	Collected a soil sample for laboratory analysis (2-4")
8'			
9'	SANDY LOAM, gravelly (fine to medium), moist, firm, dark gray (5 Y 4/1)	4.0	
10'	SAND (fine), extremely gravelly (fine to medium), moist, loose, yellowish brown (10 YR 5/4)	2.0	

KERAMIDA Environmental, Inc.

LOG OF BORING KB-D

(Page 1 of 1)

**Former General Motors Corporation
Alison Gas Turbine Division-Plant 10
700 North Olin Avenue
Indianapolis, Indiana**

KERAMIDA Project No. 2B24E.D05

Project ID	: 2822E-600
Date Drilled	: 02/12/2006
Drilling Method	: Push-pipe
Geologist, Team	: Steve Dohle
Drilling Co.	: Karamida

General location: Approx 3' west of the
Hall Road entrance
south gate post

Depth in ft	GRAPHIC	DESCRIPTION	feet	PID ppm	REMARKS	
0		Blind Drilled (0-4')		NA		
				NA		
				NA		
5		SANDY LOAM, slightly gravelly (fine), moist, firm, dove gray (5 Y 4/2)		3.4		
				2.6		
				5.8		
10		SAND (fine), moist, loose, brown		0.0		
				0.1		
				0.0		

KERAMIDA Environmental, Inc.

LOG OF BORING KB-E

(Page 1 of 1)

Former General Motors Corporation
Allison Gas Turbine Division-Plant 10
700 North Dill Avenue
Indianapolis, Indiana

KERAMIDA Project No. 2829E-005

Project ID : 2829E-005
Date Drilled : 9/26/2006
Drilling Method : Push-probe
Geologist/Tech : Steve Cobb
Drilling Co. : Keramida

General Location : Approx. 4' east & 9' north
of the northwest corner of
the west system trailer

Depth in feet	GRAPHIC	DESCRIPTION	feet	PID spot	REMARKS
0		Bored Drilled (0-4')		NA	
				NA	
				NA	
4		SAND (fine), moist, loose, brown (10 YR 5/3)			
5		SANDY LOAM, gravelly (fine), firm, brown (10 YR 4/3)	10.0		
			3.8		
				8.0	
8		Dark gray 9/2.5 Y 4/1)			
		Wet (saturated), gray (5 Y 5/1)			Collected a soil sample for laboratory analysis (0-10'
10			4.7		
			3.9		
				4.5	
12		SAND (fine), moist, loose, gray (5 Y 4/1)			
15					

KERAMIDA Environmental, Inc.

LOG OF BORING KB-F

(Page 1 of 1)

Former General Motors Corporation
Allison Gas Turbine Division, Plant 10
701 North 6th Avenue
Indianapolis, Indiana

KERAMIDA Project No. ZB29E-005

Project ID : ZB29E-005
Date Drilled : 07/26/2009
Drilling Method : Push-probe
Geologic Tech : Steve Cohn
Drilling Co. : Keramida

General Location : Approx. 6' west & 33' north
of the northwest corner of
the west system tailor

Depth in feet	GRAPHIC	DESCRIPTION	Reft	PID ppm	REMARKS
0		Wind Drilled (0-1)		NA	
5	Sand & Gravel FIL			NA	
5		SANDY LOAM, moist, firm, dark gray (5 Y 4/1)	0.0	0.0	Collected a soil sample for laboratory analysis (5-6 ft)
10			2.4	10.8	
10			2.2	3.2	Collected a soil sample for laboratory analysis (8-10')
13		SAND (Fns), moist, loose, dark greyish brown (3.5 Y 4/2)			
16					

KERAMIDA Environmental, Inc.

LOG OF BORING KB-G

(Page 1 of 1)

Former General Motors Corporation
Aerospace Turbine Division, Phase 1D
700 North Ohio Avenue
Indianapolis, Indiana

KERAMIDA Project No. 2829E-005

Project ID : 2829E-005
Date Bored : 07/03/2006
Drilling Method : Push-probe
Geologist/Techn : Steve Cobb
Drilling Co. : Keramida

General Location : Approx. 25' west & 45' north
of the northeast corner of
the West system 71st

Depth in feet	GRAPHIC	DESCRIPTION	PDC mm	REMARKS	
				GRANITE	SOIL
0		Bird Drilled (0-4)			NA
				NA	
				NA	
5	X	Silt loam FILL, slightly gravelly (fine), moist, friable, dark grayish brown (10 YR 4/2)	6.0		
	X				
	X				
	X				
8		SANDY LOAM, moist, firm, dark gray (5 Y 4/1)	11.5		
10		Slightly gravelly (fine to medium)	8.7		Collected a soil sample for laboratory analysis (8-10)
15		Wet	5.9		

KERAMIDA Environmental, Inc.

LOG OF BORING KB-H

(Page 1 of 1)

Former General Motors Corporation Allison Gas Turbine Division-Plant 10 700 North Ohio Avenue Indianapolis, Indiana	Project ID : 2828E-005 Date Drilled : 08/08/08 Drilling Method : Push-probe Geological Tech : Steve Cobb Drilling Co. : Keramida	General Location : Approx. 15' east & 7' north of KB-54
KERAMIDA Project No 2828E-005		

Depth in feet	GRAPHIC	DESCRIPTION	feet	PID ppm	REMARKS
0		Blind Drilled (0-4")		NA	
4				NA	
5	X	Sand & Gravel FILL		0.0	
5.5				NA	
6	X	SANDY LOAM, moist, friable to firm, dark grayish brown (2.5 Y 4/2)	2.0	15.3	
7				15.3	
7.5	X	SANDY LOAM, moist, firm, gray (5 Y 5/1)	2.0	15.8	Collected a soil sample for laboratory analysis (0-10")
10					

KERAMIDA Environmental, Inc.

LOG OF BORING KB-1

(Page 1 of 1)

Former General Motors Corporation
Allison Gas Turbine Division-Plant 10
700 North Olin Avenue
Indianapolis, Indiana

KERAMIDA Project No. 2628E-005

Project ID : 2628E-005
Date Drilled : 9/5/2006
Drilling Method : Push-pulse
Geologic Tech : Steve Cobb
Drilling Co. : Keramida

General Location : Approx. 137' west & 108'
: North of the southwest
: corner of 8th & Hdg.

Depth in FT	GRAPHIC	DESCRIPTION	TEST	PIN	REMARKS
				ppm	
0		Asphalt			
1	X	Gravel FILL		0.0	
2.0		SANDY LOAM, very gravelly (fine), moist, firm, very dark grayish brown (10 YR 3/2)	2.9		
3.0		SANDY LOAM, slightly gravelly (fine), moist, friable, dark grayish brown (2.5 Y 4/2) to gray (5 Y 4/1)	3.2	0.0	
4.2			3.2		
5.2			3.2		
6.2			3.2		
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278.2			3.2		

KERAMIDA Environmental, Inc.

LOG OF BORING KB-J

(Page 1 of 1)

Foster General Motors Corporation
Allison Gas Turbine Division-Plant 10
700 North Ohio Avenue
Indianapolis, Indiana

KERAMIDA Project No. 2829E-005

Project ID : 2829E-005
Date Drilled : 2/20/96
Drilling Method : Push-probe
GeologicTech : Steve Cobb
Drilling Co. : Keramida

General Location : Approx. 80' west & 100'
north of the northwest
corner of Site 10g.

Dept. in feet	GRAPHIC	DESCRIPTION	TEST	PID ppm	REMARKS
0		33rd		NA	
6		Sandy loam FILL, gravelly (fine), moist, friable to firm, very dark grayish brown (10 YR 3/2)	2.3	0.0	
10		SANDY LOAM, slightly gravelly (fine to medium), friable, gray (5 Y 5/1)	2.7	0.0	
10				2.1	Collected a soil sample for laboratory analysis (10-12)

KERAMIDA Environmental, Inc.

LOG OF BORING KB-K

(Page 1 of 1)

Former General Motors Corporation
Allison Gas Turbine Division/Plant 10
700 North Ulm Avenue
Indianapolis, Indiana

Project ID: 2629E/05
Date Drilled: 08/2006
Drilling Method: Push-probe
Geologic/Tech: Sheet Pile
Drilling Co.: Keramida

General Location: Approx. 73' west & 82'
North of the southwest
corner of the Site bldg.

KERAMIDA Project No. 2629E-003

DEPTH in feet	GRAPHIC	DESCRIPTION	TEST	PID PPM	REMARKS
0		Blind		NA	
				NA	
				NA	
4	X	Siliceous FILL, gravelly (fine), moist, firm, dark greyish brown (10 YR 3/2)		0.0	
6	X			0.0	
4.03	X	Sand (fine) FILL, moist, loose, olive brown (2.5 Y 4/3)		0.2	
	X				
7	X	SANDY LOAM, slightly gravelly (fine to medium), moist, firm, grey (5 Y 5/1)		21.7	Collected a soil sample for laboratory analysis (8-10')
9	X				
10	X	Moist to very moist	9.6	10.4	Collected a soil sample for laboratory analysis (8-10')

KERAMIDA Environmental, Inc.

LOG OF BORING KB-L

(Page 1 of 1)

Former General Motors Corporation Allison Gas Turbine Division-Plant 10 700 North Olin Avenue Indianapolis, Indiana	Project ID : 2829E-003 Date Drilled : 10/20/98 Drilling Method : Push-probe Geology/Tech : Slope Crib Drilling Co. : KERAMIDA	General Location : Approx. 80' west & 24' north of the southwest corner of Site bkg.
KERAMIDA Project No. 2829E-005		

Depth in feet	GRAPHIC	DESCRIPTION	soil	pH ppm	REMARKS
0		Blind		NA	
5		Silt loam FILL, gravelly (fine), moist, firm, dark grayish brown (10 YR 4/2)		0.0	
7			3.5	17.3	
8					Collected a soil sample for laboratory analysis (8-10)
9		SAND (fine), moist, loose, olive (5 Y 4/3)	2.7	69.6	
10		SANDY LOAM, gravelly (fine to medium), moist to very moist, friable, gray (5 Y 5/1)		33.7	Collected a soil sample for laboratory analysis (10-12)
11		SAND, gravelly (fine), moist, loose, brown			
12					
13					
14					
15					

KERAMIDA Environmental, Inc.

LOG OF BORING KB-M

(Page 1 of 1)

**Former General Motors Corporation,
Allison Gas Turbine Division-Plant 16
700 North Olin Avenue
Indianapolis, Indiana**

KERAMIDA Project No. 2B22E.DOB

Project ID	: 28205-005
Date Drilled	: 8/20/05
Drilling Method	: Push probe
Glazing technique	: Static Core
Drilling Co.	: Koeninka

General Location: Approx 65' West & 1.5' north of the southwest corner of Bldg 3.

Depth in feet	GRAPHIC	DESCRIPTION	feet	PID ppm	REMARKS	
0		Blind		NA		
4				NA		
5	X	Gravel FILL, Silt loam FILL, gravelly (fine), very dark gray (5 Y 3/1) w/ olive (5 Y 4/4)	0.9			
5.5	X	SANDY LOAM, gravelly (fine to medium), moist, firm, gray (5 Y 5/1)	2.2	NA		
7					Collected a soil sample for laboratory analysis (0-10)	
8		SAND (fine), very gravelly (fine), moist, loose, dark olive gray (5 Y 4/2)	1.4	5.1		
10						
15						

KERAMIDA Environmental, Inc.

LOG OF BORING MW-132R

(Page 1 of 1)

Genuine Parts Company
700 North Ohio Avenue
Indianapolis, Indiana
KERAMIDA Project No. 2829E

Project ID : 2829E
Date Drilled : 10-01-2008
Drilling Method : HSA
Geologist/Techn : Steve Cobb
Drilling Co. : Earth Exploration

General Location : At former MW-132
Location :

Depth in feet	GRAPHIC	DESCRIPTION	TEST	PID ppm	REMARKS	
0		Blast Drilled (0-10.5')	NA	NA		
5			NA	NA		
10			NA	NA		
15			NA	NA		
16.5			NA	NA	Well Construction: Bentonite 6.5-10.5' Riser 0.8"	2
18			NA	NA	Sand Pack 18-30' Bentonite 2.7.5' Cementite 3.2'	7.5
20			NA	NA		6.5
22			NA	NA		19.8
25						
30						

KERAMIDA Environmental, Inc.

LOG OF BORING MW-147AR

(Page 1 of 1)

Genuine Parts Company
700 North Ohio Avenue
Indianapolis, Indiana
KERAMIDA Project No. 2828E

Project ID : 2828E
Date Drilled : 10/13/2009
Drilling Method : HSA
Geologic Tech : Steve Clark
Drilling Co. : Earth Exploration

General Location : At former MW-147A
location

Depth ft. in. GRAPHIC	DESCRIPTION	PDS cm	REMARKS		Well MW-147AR Elev: 741.71
			feet	inches	
0	Blind Bored (0-30)	NA	NA	NA	
6		NA	NA	NA	
12		NA	NA	NA	
18		NA	NA	NA	
24		NA	NA	NA	
30		NA	NA	NA	
					Wall Construction: Soil Nails: 20-37 Piers: 0-20 Sand Flock: 16-30 Bentonite: 2-18 Concrete: 0-2

KERAMIDA Environmental, Inc.

LOG OF BORING MW-148R

(Page 1 of 1)

Genuine Parts Company
700 North Ohio Avenue
Indianapolis, Indiana
KERAMUDA Project No. 28298

Project ID : 2828E
Date Created : 10/16/2004
Uniting Method : HSA
GeologistTech : Steve Cobb
Drilling Co. : Earth Exploration

General location: At former MWL lab location

Depth in feet	GRAPHIC	DESCRIPTION	TEST	PID ppm	REMARKS
0	Billed Drilled (0-25.5')		NA	NA	
2			NA	NA	
4			NA	NA	
6			NA	NA	
8			NA	NA	
10			NA	NA	
12			NA	NA	
14			NA	NA	
16			NA	NA	
18			NA	NA	
20			NA	NA	Well Correlation: Soil: 10.5-25.4' R sand: 0-10.0' Sand Pack: 8-25.5' Bentonite: 2-8' Concrete: 0-2'
22			NA	NA	
24			NA	NA	
26			NA	NA	
28					
30					

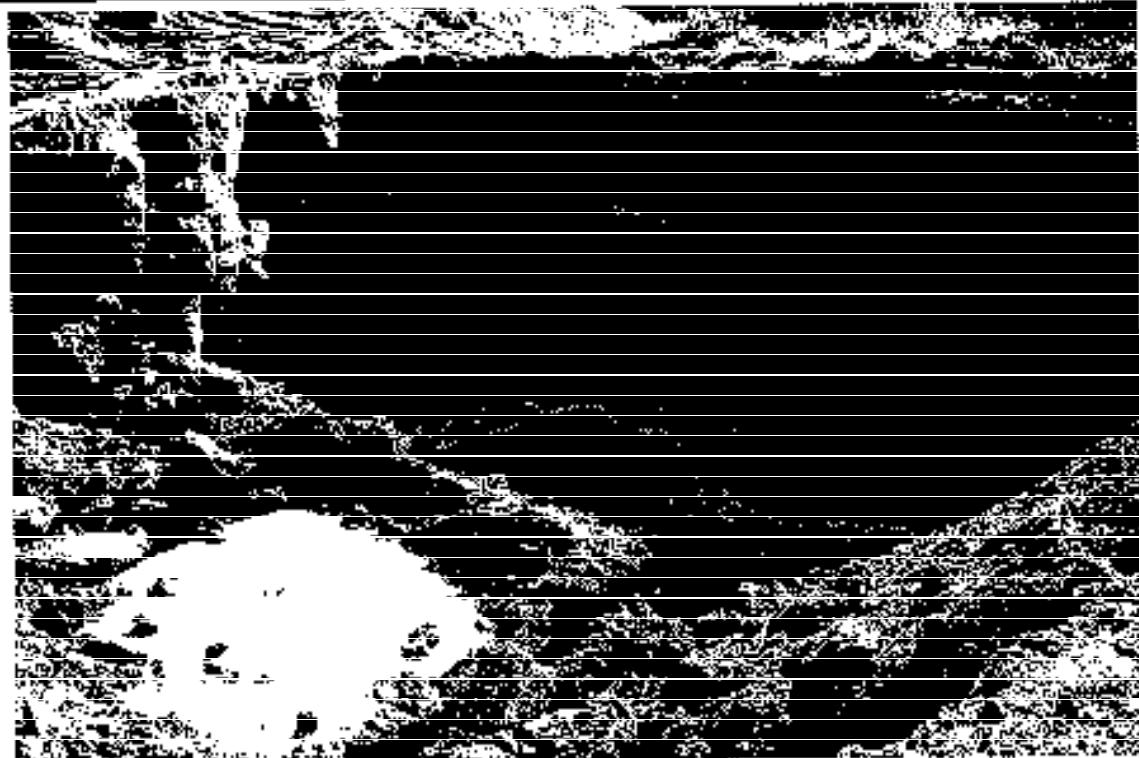


Photo 1. Area 3 Excavation - Facing South



Photo 2. Area 2 Excavation - Facing West

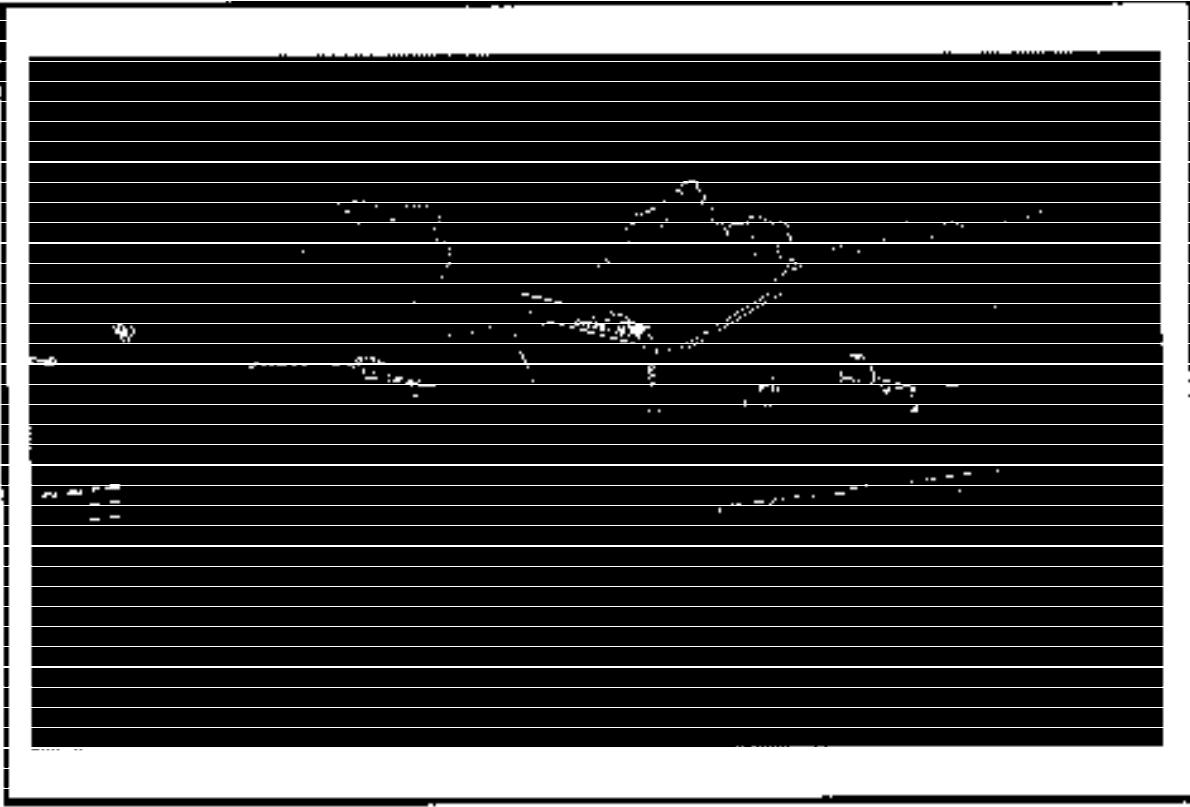


Photo 3. Area 1 Excavation

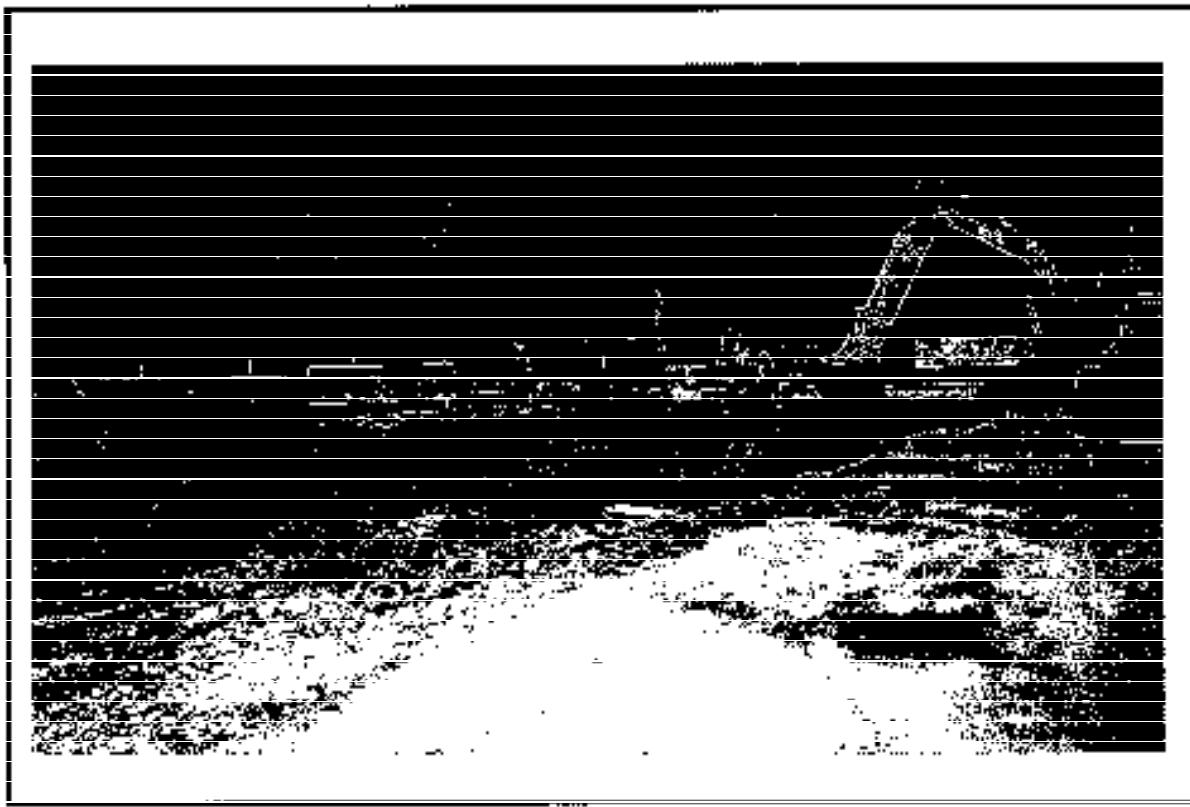


Photo 4. Area 1 Excavation - Facing North

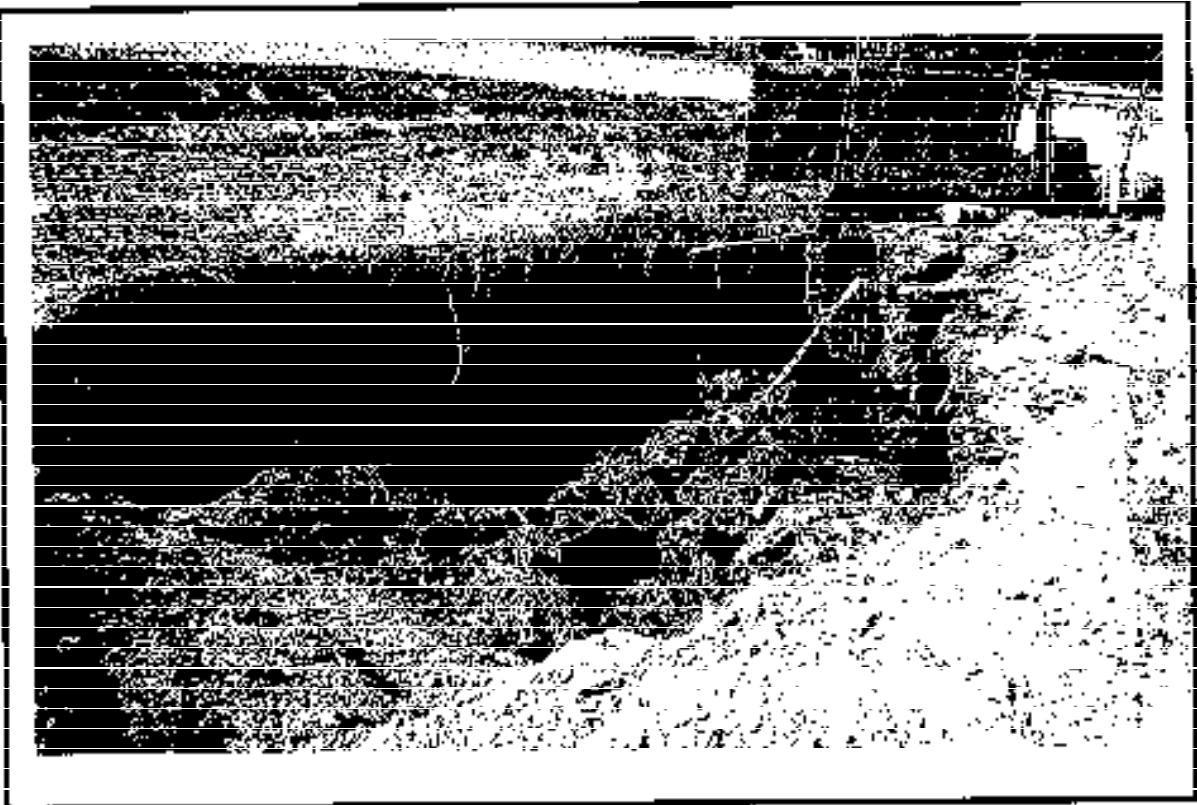


Photo 5. Area 2 Excavation - Facing North



Photo 6. Final Asphalt Grade - Facing Southeast

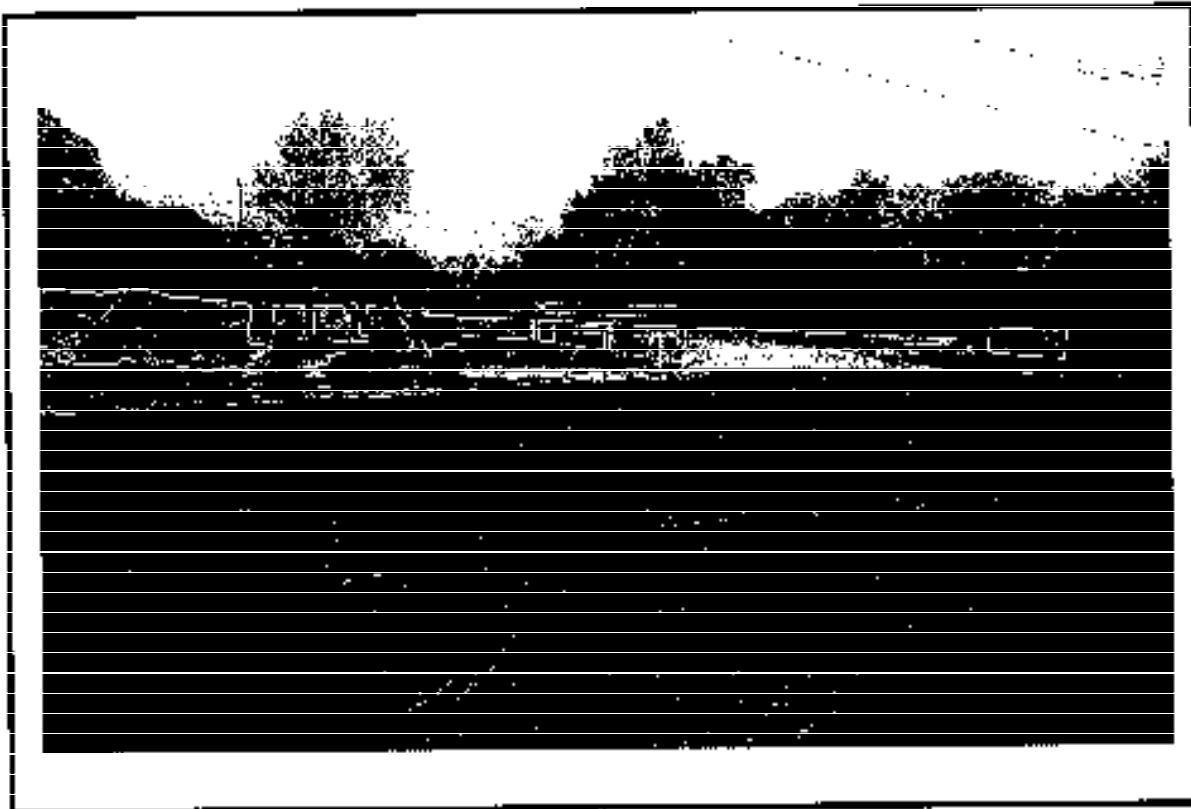
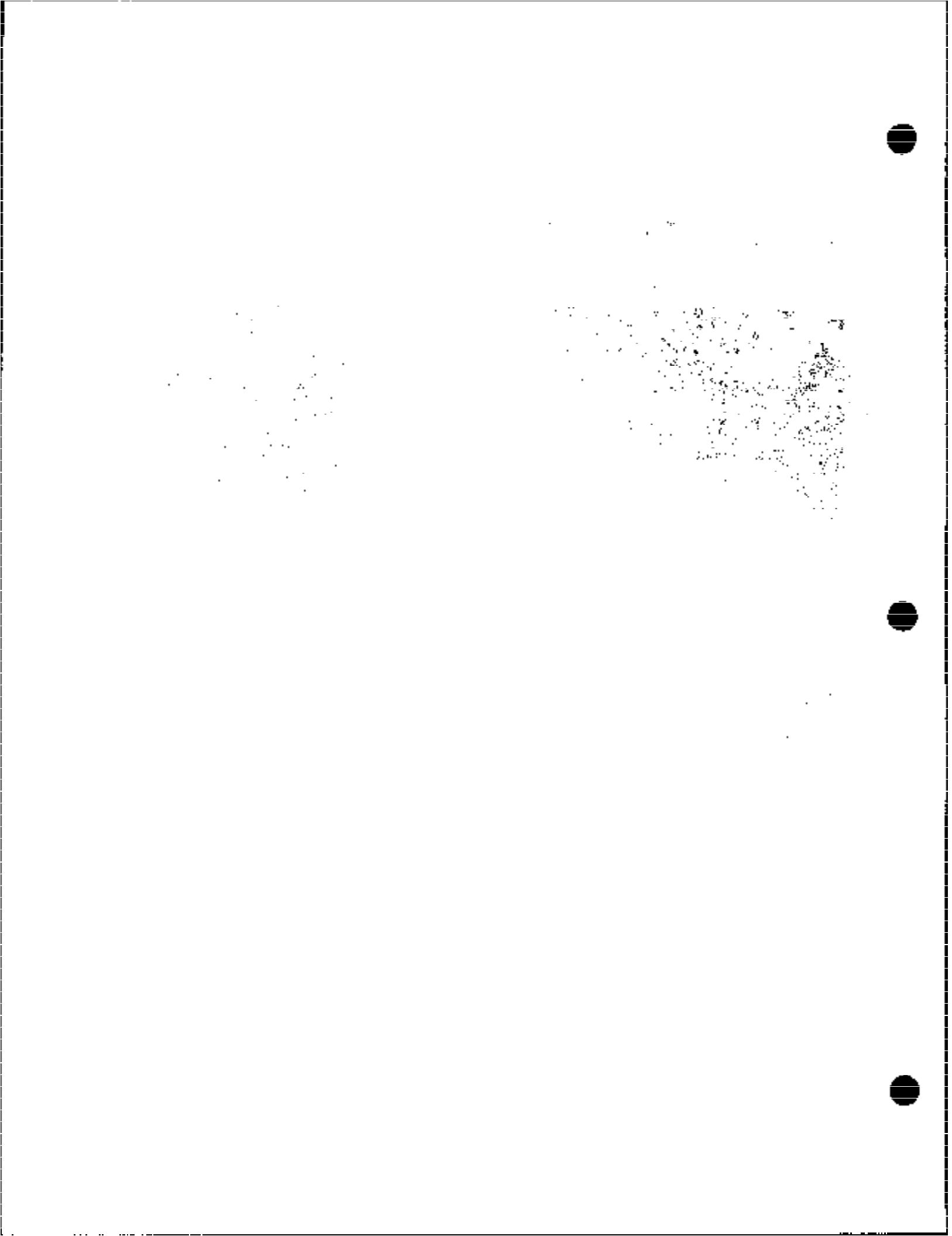


Photo 7. Final Asphalt Grade - Facing Northwest



TRANSMITTAL



Date: September 26, 2006

To: Indiana Department of Natural Resources
Division of Water
402 W. Washington St., Rm W204
Indianapolis, IN 46204

RECEIVED

SEP 29 2006

EEI, INC.

Project: Genuine Parts Company

Location: Indianapolis, Indiana

EEI Project No.: 1-06-202

Enclosed is... 1 [X] Copy [] Samples []

- [X] Record of Water Well – Abandonment –
[] Record of Water Well – Installation –
[]

The enclosed items are being sent via:

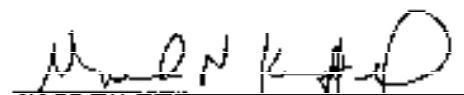
- [X] First Class Mail
[] Overnight Delivery by
[] UPS
[] Federal Express
[] EEI Courier

Remarks:

C: KERAMIDA Environmental, Inc.

Sincerely,

EARTH EXPLORATION, INC.


Mark N. Knutel
Project Coordinator

WEST

EAST

Locality with references to highway, intersecting streets and county roads, any distinctive landmarks.

NEAR

County	Township	Ridge	Section	1/4 sec.	1/16 sec.	1/64 sec.	Lot number
JEFFERSON	MAPLEWOOD	GROUNDSIDE	SECTION 1	114.00	114.00	114.00	114.00
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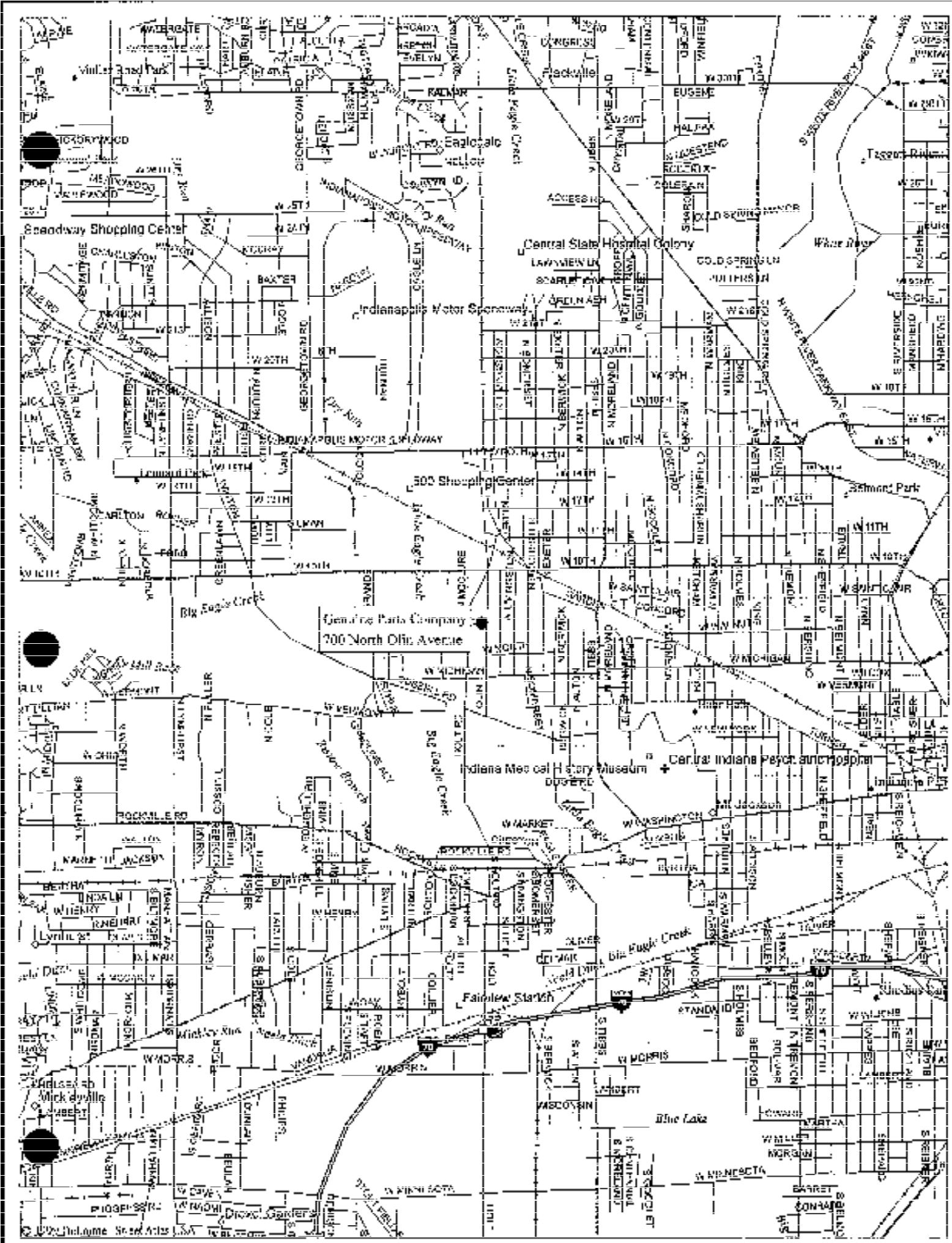
WELL ABANDONMENT SUMMARY

Project: Genuine Parts
Location: Indianapolis, Indiana
Client: KERAMIDA Environmental, Inc.
Driller: Bernie Judy and Andrew Carpenter
EEI Project No.: 1-06-292

Date	Well No.	Casing & Screen Diameter/Type	Screen Length (ft)	Screen Slot Size	Casing Length (ft)	Total Depth of Well (ft)	Total Grout Footage (ft)
8-21-06	SVE-1	2" I.D. Schedule 40 PVC	10	0.010	8.5	18.5	18.5
8-21-06	SVE-2	2" I.D. Schedule 40 PVC	10	0.010	10.4	20.4	18.4
8-21-06	SVE-3	2" I.D. Schedule 40 PVC	10	0.010	9.75	19.75	17.75
8-21-06	SVE-4	2" I.D. Schedule 40 PVC	10	0.010	9.7	19.7	17.7
8-21-06	SVE-5	2" I.D. Schedule 40 PVC	10	0.010	8.4	18.4	16.4
8-29-06	SVE-6	2" I.D. Schedule 40 PVC	10	0.020	5.0	15.0	13.0
8-29-06	SVE-7	2" I.D. Schedule 40 PVC	10	0.020	9.0	19.0	17.0
8-21-06	SVE-20B	2" I.D. Schedule 40 PVC	4.5	0.010	1.0	5.5	5.0
8-21-06	SVE-20D	2" I.D. Schedule 40 PVC	5	0.010	6.5	11.5	11.0
8-21-06	SVE-23C	2" I.D. Schedule 40 PVC	4	0.010	1.2	5.2	5.0
8-21-06	SVE-20D	2" I.D. Schedule 40 PVC	4	0.010	6.5	10.5	10.0
8-21-06	SVE-31C	2" I.D. Schedule 40 PVC	4	0.010	1.4	5.4	5.0
8-21-06	SVE-31D	2" I.D. Schedule 40 PVC	4	0.010	1.6	10.6	10.0
8-29-06	SVE-32S	2" I.D. Schedule 40 PVC	4	0.020	1.0	5.0	5.0
8-29-06	SVE-32D	2" I.D. Schedule 40 PVC	4	0.020	6.4	10.4	10.0
8-21-06	MW-147A*	2" I.D. Schedule 40 PVC	10	0.010	17.85	27.85	25.95
8-21-06	MW-148	2" I.D. Stainless steel	10	0.010	13.5	23.5	21.5
8-21-06	MW-132*	2" I.D. Stainless steel	10	0.010	10.3	20.3	18.3

Distances are approximate

* - Boring logs not available.





KERAMIDA Environmental, Inc.

LOG OF BORING SVE-1

(Page 1 of 1)

Genuine Parts Company 700 North Ohio Avenue Indianapolis, Indiana KERAMIDA Project No. 20200		Project ID : 20200	Date Drilled : 09/26/06	Drilling Method : HBA	No. Holes : 1	Drill Rig : 1646040-24
USCS	GRAINS	DESCRIPTION	DIA in mm	RIG %	PWD ppm	REMARKS
Depth in feet						Water Table
0		Blind Drill	1	NA	NA	
2			2	NA	NA	
4			3	NA	NA	
6			4	NA	NA	
8			5	NA	NA	
10		Fine SAND, very moist, gray, solvent odor	6	NA	NA	
12		Blind Drill	7	NA	NA	
14			8	NA	NA	
16			9	NA	NA	
18		Fine to medium SAND with scattered gravel, gray	10	NA	NA	
20						
22						

VH-1 SVE-1
Elev: 712.62

Cover
Concrete
Portland cement
Gravel
Sand

09/26/06 LOG OF BORING SVE-1 KERAMIDA-20200

1646040-24



KERAMIDA Environmental, Inc.			LOG OF BORING SVE-2				
			(Page 1 of 1)				
Genuine Parts Company 700 North Ohio Avenue Indianapolis, Indiana KERAMIDA Project No. 28208			Project ID	28208	Northing	1184944.82	
			Date Drilled	5/3/00	Easting	5170435.54	
			Boring Method	SMSA			
			Geological Tech.	U.S. Gob			
			Drilling Co.	beginner			
Depth ft feet	USGS Graphic	DESCRIPTION	Sample	Run #	PID #001	REMARKS	Water Level
0		BIMD Drill	1	NA	NA		
2			2	NA	NA		
4			3	NA	NA		
6			4	NA	NA		
8			5	NA	NA		
10			6	NA	NA		
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KERAMIDA Environmental, Inc.		LOG OF BORING SVE-3					
		(Page 1 of 1)					
Genuine Parts Company 701 North Clio Avenue Indianapolis, Indiana KERAMIDA Project No. 2828E		Project ID : 2828E	Date Drilled : 09/20/06	Boring : 160A	Scaling : 1170-H039		
Depth In feet	USCS Graphic	DESCRIPTION	Samples	Rec %	PID from	REMARKS	Weber Level
0		Wells Drill	1	NA	NA		
2			2	NA	NA		
4			3	NA	NA		
6			4	NA	NA		
8			5	NA	NA		
10			6	NA	NA		
12			7	NA	NA		
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KERAMIDA Environmental, Inc.

LOG OF BORING SVE-4

(Page 1 of 1)

General Parts Company 700 North Dill Avenue Indianapolis, Indiana KERAMIDA Project No. 2020E		Project ID : 2020E Date Bored : 5/2009 Drilling Method : HSH Geological Tech : S. Cobb Drilling Co. : Enviro-Ex	Northing : 1649903.60 Easting : 179410.34			
Depth in feet	I&CS GRAPHIC	DESCRIPTION	Samples Sec Rec ppm	PID ppm	REMARKS	Water levels
0	Blind Dell		1 NA NA			
2			2 NA NA			
4			3 NA NA			
6			4 NA NA			
8			5 NA NA			
10			6 NA NA			
12			7 NA NA			
14						
16						
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WELL: SVE-4
Elev.: 742.04

The diagram illustrates the borehole structure. At the top, it shows 'Cover' and 'Concrete'. Below that is 'Bentonite grout'. Further down, there are sections labeled 'Sand Pack' and 'Screen'. The borehole itself is depicted as a vertical shaft with horizontal segments representing different depths or sections.

KERAMIDA Environmental, Inc.

LOG OF BORING SVE-5

(Page 1 of 1)

Genuine Parts Company 700 North Ohio Avenue Indianapolis, Indiana KERAMIDA Project No. 26005	Project ID : 26005 Date Drilled : 5/2000 Drilling Method : HSA Geological Tools : D.C. Only Drilling Co. : EarthEx	Number : 164055.00 Soilage : 147088.00
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Depth In feet	USCS SPT-NC	DESCRIPTION	Samples	Flow Rate gpm	REMARKS	Water Level
0		Blind Coll	1	NA	NA	Wells SVE-5 Elev. 711.66
2			2	NA	NA	Cover Concrete
4			3	NA	NA	Bentonite grout
6			4	NA	NA	
8			5	NA	NA	
10			6	NA	NA	
12			7	NA	NA	Sand Pack
14						Gravel
16						
18						
20						
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36						
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KERAMIDA Environmental, Inc.			LOG OF BORING SVE-6					
			(Page 1 of 1)					
			Project ID		12828	Notching		1045883.08
			Date Cored		10/2006	Boring		170422.01
			Driving Method		CRDA			
			Geolog/Strat		S. Cobb			
			Boring Co.		Earth En.			
Depth in feet	USCS GRAPH	DESCRIPTION	Sample Num Rea #	Spec No	PIG ppm	REMARKS	Water Level	
0		Silty CLAY, gray	1	NA	NA			Cover
1			2	NA	NA			Concrete
2			3	NA	NA			Bentonite grout
4			4	NA	NA			
6			5	NA	NA			
8			6	NA	NA			
10			7	NA	NA			
12		Sandy Silty CLAY, gray	8	NA	NA			
14		Pine SAND, wet	9	NA	NA			
16			10	NA	NA			
18		Same as above, scattered gravel						
20								
22								

WELL: SVE-6
Elev.: 712.25

The diagram illustrates the cross-section of the well bore. It shows a vertical line with horizontal segments representing different layers of soil and materials. A legend on the right side identifies these layers: 'Cover' (top), 'Concrete' (thin layer), 'Bentonite grout' (intermediate layer), 'Sand Pack' (layer below concrete), 'Screen' (horizontal layer), and 'SVE-6' (bottom layer). The well bore itself is represented by a vertical line with a dashed pattern.

KERAMIDA Environmental, Inc.

LOG OF BORING SVE-7

(Page 1 of 1)

Genieco Parts Company
700 North 6th Avenue
Indianapolis, Indiana
KERAMIDA Project No. 2829E

Project ID : 2829E
Date Drilled : 06/29/06
Drilling Method : HSA
Geological/Tech : S. Cobb
Piling Co. : Barth

No. boro : 106490448
Boring : 136457 31

Depth in. feet	USGS Graphic	DESCRIPTION	Sample No.	Re- st.	PID ppm	REMARKS	Water Level
0		Blind Drill	1	NA	NA		
2			2	NA	NA		
4			3	NA	NA		
6			4	NA	NA		
8			5	NA	NA		
10		Fine SAND, gray	6	NA	NA		
12		Blind Drill	7	NA	NA		
14							
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Well: SVE-7
Elev. 211.80

The diagram illustrates the borehole structure. It shows a vertical column with horizontal lines indicating different depths. At the top, there is a section labeled 'Cover' with 'Concrete' underneath. Below this, a section is labeled 'Bentonite grout'. Further down, there is a 'Sand Pack' followed by a 'Screen' section. The borehole itself is depicted with a dashed line, and the surrounding soil layers are shown with different patterns.



KIRAMIDA Environmental, Inc.

LOG OF BORING SVE-28S

Digitized by srujanika@gmail.com

Genuine Parts Company
700 North Ohio Avenue
Indianapolis, Indiana
KERN/MILDA Project No. 2820E.

Project ID	: 98206
Date Drilled	: 07/25/03
Drilling Method	: RFA
Geologic Units	: S. Cobb
Drilling Co.	: EarthEx

Depth In Feet	USGS Graphic	DESCRIPTION	SAMPLING			REMARKS	Water Levels	Well: SVE-2B5 Elev.:
			% REC.	P.D. PPM	Sample #			
0		Bentonite Drill			1	NA		Cover
1					2	NA		Bentonite grout
2					3	NA		
3					4	NA		Sand Pack Screen
4					5	NA		
5					6	NA		
6					7	NA		
7					8	NA		
8					9	NA		
9					10	NA		
10					11	NA		
11					12	NA		
12					13	NA		
13					14	NA		
14					15	NA		
15					16	NA		
16					17	NA		
17					18	NA		
18					19	NA		
19					20	NA		
20					21	NA		
21					22	NA		
22					23	NA		
23					24	NA		
24					25	NA		
25					26	NA		
26					27	NA		
27					28	NA		
28					29	NA		
29					30	NA		
30					31	NA		
31					32	NA		
32					33	NA		
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KERAMIDA Environmental, Inc.

LOG OF BORING SVE-28D

(Page 1 of 1)

Genuine Parts Company
700 North Ohio Avenue
Indianapolis, Indiana
KERAMIDA Project No. 2819E

Project ID : 2819E
Date Drilled : 8/26/03
Drilling Method : HBA
GeosocialTech : S. Cobb.
Drilling Co. : Barth Ex.

Depth ft	LBS	GRAPHIC	DESCRIPTION	Sample	Rea. g.	Pb ppm	REMARKS	Water Level	Well SVE-28D
									Elev.:
0			Blind Drill	1		NA			Cover
1				2		NA			Bentonite grout
2				3		NA			
3				4		NA			
4				5		NA			
5				6		NA			
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KERAMIDA Environmental, Inc.			LOG OF BORING SVE-29S				
			(Page 1 of 1)				
General Perks Company 700 North Ohio Avenue Indianapolis, Indiana KERAMIDA Project No. 2829E		Project ID : 2829E Date Drilled : 09/05 Drilling Method : RBA Geotech/Tech : G. Cobb Comments : 100% Ex.					
Depth in feet	USCS Graphic	DESCRIPTION	Sample #	Reel #	PID #	REMARKS	Water levels
0		Blind Drill	1			NA	
1			2			NA	
2			3			NA	
3			4			NA	
4			5			NA	
5			6			NA	
6			7			NA	
7			8			NA	
8			9			NA	
9			10			NA	
10			11			NA	
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37			38			NA	
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42			43			NA	
43			44			NA	
44			45			NA	
45			46			NA	
46			47			NA	
47			48			NA	
48			49			NA	
49			50			NA	
50			51			NA	
51			52			NA	
52			53			NA	
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56			57			NA	
57			58			NA	
58			59			NA	
59			60			NA	
60			61			NA	
61			62			NA	
62			63			NA	
63			64			NA	
64			65			NA	
65			66			NA	
66			67			NA	
67			68			NA	
68			69			NA	
69			70			NA	
70			71			NA	
71			72			NA	
72			73			NA	
73			74			NA	
74			75			NA	
75			76			NA	
76			77			NA	
77			78			NA	
78			79			NA	
79			80			NA	
80			81			NA	
81			82			NA	
82			83			NA	
83			84			NA	
84			85			NA	
85			86			NA	
86			87			NA	
87			88			NA	
88			89			NA	
89			90			NA	
90			91			NA	
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94			95			NA	
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97			98			NA	
98			99			NA	
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100			101			NA	
101			102			NA	
102			103			NA	
103			104			NA	
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114			115			NA	
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126			127			NA	
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143			144			NA	
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160			161			NA	
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163			164			NA	
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172			173			NA	
173			174			NA	
174			175			NA	
175			176			NA	
176			177			NA	
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179			180			NA	
180			181			NA	
181			182			NA	
182			183			NA	
183			184			NA	
184			185			NA	
185			186			NA	
186			187			NA	
187			188			NA	
188			189			NA	
189			190			NA	
190			191			NA	
191			192			NA	
192			193			NA	
193			194			NA	
194			195			NA	
195			196			NA	
196			197			NA	
197			198			NA	
198			199			NA	
199			200			NA	
200			201			NA	
201			202			NA	
202			203			NA	
203			204			NA	
204			205			NA	
205			206			NA	
206			207			NA	
207			208			NA	
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209			210			NA	
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212			213			NA	
213			214			NA	
214			215			NA	
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216			217			NA	
217			218			NA	
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219			220			NA	
220			221			NA	
221			222			NA	
222			223			NA	
223			224			NA	
224			225			NA	
225			226			NA	
226			227			NA	
227			228			NA	
228			229			NA	
229			230			NA	
230			231			NA	
231			232			NA</td	

KERAMIDA Environmental, Inc.

LOG OF BORING SVE-29D

(Page 1 of 1)

Genuine Parts Company 700 North Ofo Avenue Indiranagar, Bengaluru KERAMIDA Project No. 2828E			Project ID : 78228 Date Drilled : 14/05 Drilling Method : Roto Geological Tech : G. Driv Drilling Co. : Earth Ex				
Depth in feet	USCS GRAPHIC	DESCRIPTION	Samples Rad ppm	PID ppm	REMARKS	Water Levels	
0	Bentonite	Bentonite	1	NA		Well SVE-29D Bottom	
1			2	NA		Cover	
2			3	NA			
3			4	NA			
4			5	NA			
5			6	NA			
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							

KERAMIDA Environmental, Inc.

LOG OF BORING SVE-31S

(Page 1 of 1)

Georgia-Pacific Company
700 North Olin Avenue
Indianapolis, Indiana
VERBALMITE Project No. 2829E

Project ID : 23205
Date Started : 8/20/04
Billing Method : HSA
Geological/Fish : A. Cato
Latitude/Co. : 26.0000

14-02-2000 BENTONITE COATED SCREENS FOR SVE

Test No.	Graphic	USGS	DESCRIPTION	Samples	at Elevation	Remarks	Water Levels	Well: SVE-318	
								Elev.	Elev.
			Blind Drill		1	NA			Cover
					2	NA			Bentonite grout
					3	NA			Sand Pack
									Screen

The diagram illustrates the cross-section of the well SVE-318. It shows a vertical borehole with several horizontal layers. From top to bottom, the layers are labeled: Cover, Bentonite grout, Sand Pack, and Screen. The borehole is bounded by a dashed outer line.

KERAMIDA Environmental, Inc.

LOG OF BORING SVE-31D

(Page 1 of 1)

Genmar Perls Company
700 North Ohio Avenue
Indianapolis, Indiana
KERAMIDA Project No. 2820E

Project ID : 2820E
Date Drilled : 09/26/06
Drilling Method : NSA
BoreholeTech : B. Cobb
Drilling Co. : South Side

Depth in feet	U.S.G.S. GRAPHIC	DESCRIPTION	SAMPLES		REMARKS	Water Level Elev.
			Rec %	PID ppm		
0		BLDG DELL	1		NA	
1			2		NA	
2			3		NA	
3			4		NA	
4			5		NA	
5			6			
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						

Wet SVE-31D

Elev.

Cover

Bentonite grout

Sand Pack

Screen



KERAMIDA Environmental, Inc.		LOG OF BORING SVE-32S (Page 1 of 1)					
GenJilta Parts Company 700 North Clif Avenue Indianapolis, Indiana KERAMIDA Project No. 2020E		Project ID: 2020E Date Drilled: 10/20/06 Drilling Method: HSA GeoprobeTech: G. Corp. Drilling Co.: Geoprobe Int'l.					
Depth in feet	USGS Elevation	GRUB/MC	DESCRIPTION	Starts at ft soil	End at ft soil	REMARKS	Water Level
0			Bentonite	0	1	NA	
				1	2	NA	
				2	3	NA	
				3	4	NA	
				4	5	NA	
				5	6	NA	
				6	7	NA	
				7	8	NA	
				8	9	NA	
				9	10	NA	
				10	11	NA	
				11	12	NA	
				12	13	NA	
				13	14	NA	
				14	15	NA	
				15	16	NA	
				16	17	NA	
				17	18	NA	
				18	19	NA	
				19	20	NA	
				20	21	NA	
				21	22	NA	
				22	23	NA	
				23	24	NA	
				24	25	NA	
				25	26	NA	
				26	27	NA	
				27	28	NA	
				28	29	NA	
				29	30	NA	
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				31	32	NA	
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				35	36	NA	
				36	37	NA	
				37	38	NA	
				38	39	NA	
				39	40	NA	
				40	41	NA	
				41	42	NA	
				42	43	NA	
				43	44	NA	
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				48	49	NA	
				49	50	NA	
				50	51	NA	
				51	52	NA	
				52	53	NA	
				53	54	NA	
				54	55	NA	
				55	56	NA	
				56	57	NA	
				57	58	NA	
				58	59	NA	
				59	60	NA	
				60	61	NA	
				61	62	NA	
				62	63	NA	
				63	64	NA	
				64	65	NA	
				65	66	NA	
				66	67	NA	
				67	68	NA	
				68	69	NA	
				69	70	NA	
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				81	82	NA	
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				85	86	NA	
				86	87	NA	
				87	88	NA	
				88	89	NA	
				89	90	NA	
				90	91	NA	
				91	92	NA	
				92	93	NA	
				93	94	NA	
				94	95	NA	
				95	96	NA	
				96	97	NA	
				97	98	NA	
				98	99	NA	
				99	100	NA	
				100	101	NA	
				101	102	NA	
				102	103	NA	
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				124	125	NA	
				125	126	NA	
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				141	142	NA	
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				164	165	NA	
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				237	238	NA	

KERAMIDA Environmental, Inc.

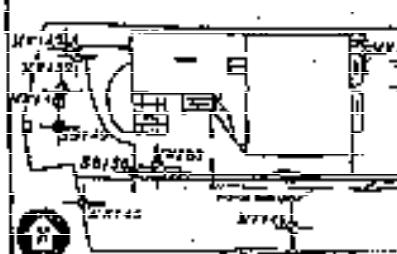
LOG OF BORING SVE-320

(Page 1 of 1)

Genuine Parts Company
700 North Ohio Avenue
Indianapolis, Indiana
KERAMIDA Project No. 2029E

Project ID : 123456
Date Bored : 09/25/06
Boring Method : HSA
Geologist/Spec : G. Ochs
Drilling Co. : Barth EX

Depth ft. test	USGS GRAPHIC	DESCRIPTION	Sample Rec #	PID #cm	REMARKS	Total Length ft.
0	Blind Drill		1	NA		
1			2	NA		
2			3	NA		
3			4	NA		
4			5	NA		
5						
6						
7						
8						
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12						
13						
14						
15						

NW118
LOCATION MAP

ENGINEERING-SCIENCE, INC. WELL LOG PAGE 1 OF 1

WELL INFORMATION		WELL NUMBER	STKS/NW118	LOCATION	GH-AGT, PLANT 19				
LOGGED BY		DATE	6-3-93	WEATHER	CLIMY, 68 °F.				
DRILLING METHOD		LOGGED BY	9, GROUTAGE	DRILLED BY	EARTH EXPLORATION, INC.				
CASING TYPE		DRILLING METHOD	4-3/4" HOLLOW-STEM AUGER	ISAMPTIME METHOD	SPLIT-SPOON				
SCREEN TYPE		GRAVEL PACK	SILICA SAND	SEAL	BENTONITE CHIPS				
Casing Type SCH 5, 316 S.S.		Diameter 2"		Length 15'	Hole Dia. 8"				
Screen Type SCH 5, 316 S.S.		Slot 0.010"		Diameter 2"	Length 10'				
Sample No.		Depth		Lithology/Remarks (Color, Soil Type, Sorting, Moisture, Plasticity)					
Organic Solids (PPM)		Sample Recovery		Litho. Profile					
Depth feet		Penetration Teston Resist. Index		Well Completion					
0		0		0					
1		0-15' Silty Silt; topsoil brown to dark brown moist.		1					
2		15'-6.3' Sandy Clay; brown to orange brown with some silt; moderately plastic, moist.		2					
3		6.3'-8'		3					
4		8'		4					
5		8'		5					
6		8'		6					
7		8'		7					
8		8'-11'		8					
9		11'		9					
10		11'		10					
11		11'-24.2'		11					
12		24.2'		12					
13		24.2'		13					
14		24.2'		14					
15		24.2'		15					
16		24.2'		16					
17		24.2'		17					
18		24.2'		18					
19		24.2'		19					
20		24.2'		20					
21		24.2'		21					
22		24.2'		22					
23		24.2'		23					
24		24.2'		24					
25		24.2'		25					
WELL CONSTRUCTION:									
SCREENED:									
SAND PACK:									
BENTONITE CHIPS:									
BENTONITE SLURRY:									
BENTONITE CHIPS:									
Finished with flush mount protective well box in CONCRETE.									
CH151		P10 5-14-93		CONCRETE					
UPDATE		OK		SAND					
		X SANDY SILT		BENTONITE CHIPS					
		X SANDY CLAY		SILT					
				BENTONITE SLURRY					

CH151 P10 5-14-93 OK CONCRETE SAND BENTONITE CHIPS SILT BENTONITE SLURRY
UPDATE OK X SANDY SILT X SANDY CLAY X SILT